

AGENDA
BOARD OF PUBLIC WORKS MEETING
Tuesday, February 25, 2020 at 7:00 p.m.
Jackson Village Hall
N168 W20733 Main Street
Jackson, WI 53037

1. Call to Order and Roll Call.
2. Approval of the Board of Public Works Minutes of January 28, 2020.
3. Review of Engineering Services for Hunters Road Reconstruction Project
4. Extension of Sewer and Water to serve TIF #7
5. Engineering Services for Phosphorus Compliance – Town & Country
6. Review of Quotes for new Jackson Sewer Utility RTV Service Vehicle.
7. Discussion of Village Informational Signs.
8. Director of Public Works Report.
9. Citizens/Village Staff to address the Board.
10. Adjourn.

Persons with disabilities requiring special accommodations for attendance at the meeting should contact the Village Hall at least one (1) business day prior to the meeting.

It is possible that members of the Village Board may attend the above meeting. No action will be taken by any governmental body at this meeting other than the governmental body specifically referred to in this meeting notice. This notice is given so that members of the Village Board may attend the meeting without violating the open meeting law.

DRAFT Minutes
Board of Public Works Meeting
Tuesday, January 28, 2020 at 7:00 p.m.
Jackson Village Hall
N168 W20733 Main Street

1. Call to Order and Roll Call

Chair Olson called the meeting to order at 7:00 p.m.

Members Present: Brian Heckendorf, Dan Leonard, Tr. Lippold, Sarah Malchow, Tr. Malcolm and Gloria Teifke

Staff Present: Brian Kober and Jilline Dobratz

2. Approval of the Board of Public Works Minutes of November 26, 2019

Motion by Dan Leonard, second by Tr. Lippold to approve the Board of Public Works minutes of November 26, 2019.

Vote: 7 ayes, 0 nays. Motion carried.

3. Revised Construction Service Contract – New Municipal Building – Cedar Corporation

Brian Kober explained this is being reviewed. The contract will be at the Budget & Finance and Village Board meetings on February 11, 2020. The advertise for bid in February with a March 5, 2020 bid opening. If Cedar Corporation is comfortable with the bid, the Village Board would review it at the March 10, 2020 meeting for approval. Otherwise, there would be a Special Village Board meeting on March 17, 2020 for approval. The plans are being finalized for Ridgeway and Spruce Streets and will be advertised in March. The bids will be reviewed at the March 31, 2020 Board of Public Works meeting. Chair Olson inquired if the State issues have been resolved. Brian Kober said the DNR is reviewing the modeling of the flood plain, it will not delay the project.

4. Review of Quotes for new Jackson Water Utility Service Truck

Brian Kober stated this was a 2020 budgeted item. Three bids were received with the low bid from EVS Saukville. A snowplow package was added for \$300.00. The approved 2019 truck has been delayed and is scheduled for delivery in April. Jackson Truck Body has honored last year's price for the service body. The truck will be good for 10 years. Motion by Tr. Malcolm, second by Chair Olson to recommend Budget & Finance and Village Board approve the quote for the Jackson Water Utility Service Truck from EVS Saukville in the amount of \$46,363.80.

Vote: 7 ayes, 0 nays. Motion carried.

5. Review of Quotes for new Jackson Sewer Utility RTV Service Vehicle

Brian Kober gave information on the two bids that were received for an off-road service vehicle. The low bid was from John P. Lochen Co., Inc. of Newburg. This is to aid in early walkaround, maintenance of equipment/grounds, weed control, interceptor sewer maintenance and winter operation at the WWTF. The Kubota RTV vehicle would have to be trailered to sites as the village does not allow this type of vehicle to be on the road by ordinance. Tr. Lippold inquired on diesel compared to gas engines. Brian Kober will check if this type of vehicle is available with a gas engine.

Motion by Chair Olson, second by Tr. Lippold to refer Review of Quotes for new Jackson Sewer Utility RTV Service Vehicle to the February meeting for further research.

Vote: 7 ayes, 0 nays. Motion carried.

6. Discussion on Yard Waste Site Policy and Procedure

Brian Kober reviewed Ordinance #20-04 Amending Chapter 34, Article II, Division 2 of the Village Code Yard Waste Collection, and the memo for Spring Clean Up Day plus Yard Waste Disposal Guide. The Spring Clean-Up Day will be Saturday, April 25, 2020 from 9:00 a.m. until Noon. Chair Olson commented on adding language to the Ordinance regarding rules for the facility to be posted at the Yard Waste Site. Brian Kober stated by March 1, 2020 the card program will be ready and advertising will begin. Information on the program will be in the April Quarterly, on the web site and the Village's electronic sign.

Motion by Chair Olson, second by Dan Leonard to recommend Village Board approve changes to the Ordinance as presented with the discussed revisions and approve the Yard Waste Site Policy and Procedure.

Vote: 7 ayes, 0 nays. Motion carried.

7. Discussion on Old Park and Ride Lot CTH P and STH 60

Brian Kober reported Scott Schmidt, Washington County Highway Commissioner will be meeting with the DOT in February regarding the land and sale price. The Village has offered to have an appraisal done. The County owns some of the land. The Village will be negotiating with Washington County as the Village has been maintaining the land.

8. Discussion of Village Informational Signs

Brian Kober stated last week they had a meeting with the DOT regarding the 2024 resurfacing project. At the meeting, the plan of the proposed Community Wayfinding signs along Highway 60 were given to the Regional Traffic Engineer for review.

Motion by Chair Olson, second by Tr. Lippold to refer Discussion of Village Informational Signs to the February Board of Public Works meeting.

Vote: 7 ayes, 0 nays. Motion carried.

9. Director of Public Works Report

Brian Kober gave the report. The 2019 Septic Receiving Station revenue was over budget by \$19,822.80. Another rate study will be done for discussion at a future meeting.

Motion by Tr. Lippold, second by Brian Heckendorf to place the Director of Public Works Report on file.

Vote: 7 ayes, 0 nays. Motion carried.

10. Citizens/Village Staff to Address the Board

Brian Heckendorf questioned if Kerry put up five no trucking signs along Highway 60. Brian Kober stated he doesn't know if they received permission, but he will contact the DOT. Gloria Teifke inquired on the items for the Trilogy Consulting – Study / Impact Fees. Brian Kober explained the Park & Recreation Comprehensive Plan is being approved by the Joint Park & Recreation Committee. We are waiting for the new Municipal Building to go out for bid which will take a percentage of the Fire and Police

Departments impact fees and collecting information for sewer and water impact fees.
The Impact Fees have to be studied and revised every 10 years.

11. Adjourn.

Motion by Tr. Malcolm, second by Dan Leonard to adjourn.

Vote: 7 ayes, 0 nays. Meeting was adjourned 7:47 p.m.

Respectfully submitted,

Jilline Dobratz, *CMC/WCMC*
Village Clerk

DRAFT



Taking the lead in Washington County.

**VILAGE OF JACKSON
REQUEST FOR PROPOSALS
Engineering Design Service**

The Village of Jackson is requesting a proposal and qualification statement from engineering firms to assist with the street improvements in Hunters Road, Chateau Drive, and Highland Road of the Village of Jackson. The construction area consists of Hunters Road Drive from Jackson Drive to Chateau Drive; Chateau Drive from Hunters Road to Willow Ridge Drive; and Highland Road around the Stonewall Drive intersection. The completed proposals shall be returned to the Engineering Department on or before **4:30 PM on Monday, February 24, 2020.**

Background Information

1. The Hunters Road and Chateau Drive streets were constructed in 1989.
2. Both streets were designed with storm sewer to just drain the surface water off the street. The new design will provide storm sewer laterals for each sump pump discharge.
3. The Highland Road Project is a design to evaluate the 24-inch concrete storm sewer pipe that is feed by a 36-inch pipe. Also, the outfall point will need cleaning. Proper permits will be necessary to do the work.
4. This is a LRIP funded project for the improvements of Hunters Rad and Chateau Drive.

Design, permitting, and bidding

1. Review of preliminary development plans, site visit, and meeting with Village staff to analyze and review scope of project.
2. Topographic and utility survey, and develop preliminary and final roadway, storm sewer, water main design/plans.
3. Prepare and submit all necessary DNR permit applications.
4. Create specifications, bid documents, and engineer's estimate. Answer any questions during the bid process and attend bid opening. Meet with Village staff as necessary throughout the design process.

WI 94N16660
Eagle Drive
Jackson, WI 53037
Phone: 262-677-0707
Fax: 262-677-8770

Mailing Address:
P.O. Box 637

www.villageofjackson.com

Final Design

- | | | |
|----|--------------------|---|
| 1. | Sanitary Sewer | The Jackson Sewer Utility will verify the condition of the sanitary sewer if need to be replaced. For now only rebuilding sanitary manholes should be include in the design quote. |
| 2. | Strom Sewer Design | Storm sewer design for proper drainage of roadway and property abutting the road. All exiting storm sewer facilities shall be picked up during the survey of the road. Acquire all necessary permits. Provide a storm lateral to all properties. Highland Road storm sewer will need to be sized per the drainage area. |
| 3. | Water Main Design | Water Main is assumed to be in good condition and only valve boxes will be replaced. |
| 4. | Roadway Facilities | Asphalt pavement, concrete curb and gutter and 5 ft sidewalk on both sides of roadway. |

Construction Services (if the project continues)

- | | |
|----|--|
| 1. | Attend pre-construction meeting and field meeting with Village Staff and Contractor. |
| 2. | Provide construction staking. |
| 3. | Provide construction inspection and management. |
| 4. | As-built survey, to confirm accurate construction. |

Project Schedule (Tentative)

Request for proposal due	February 24, 2020
Village Board - Contract Award	March 10, 2020
Preliminary Design, with estimated cost	April 2020
Prepare construction documents and spec	May 2020
Advertise Bids	May 2020
Open Bids	June 2020
Award Contract	June 2020
Complete Construction	August 2020

Consultant Engineer Qualifications

1. Qualifications of the key staff persons to be assigned to perform their scope of work, their experience and special skills.
2. Experience of firm in projects of similar scope.

Proposal

		<u>Time & Material Cost, not to exceed</u>	
1.	Design, Permitting, & Bidding	\$	
2.	Final Design	\$	
3.	Preparing the Construction Bid Documents	\$	
4.	Construction Services		
	a. Construction Staking	\$	Per hour
	b. Construction Inspection	\$	Per hour
	c. As-Built Survey	\$	
	or lump sum	\$	
Total Amount		\$	

If you have any questions regarding this Request for Proposal or if you would like to review this project in detail, please give me a call at (262) 677-0707.

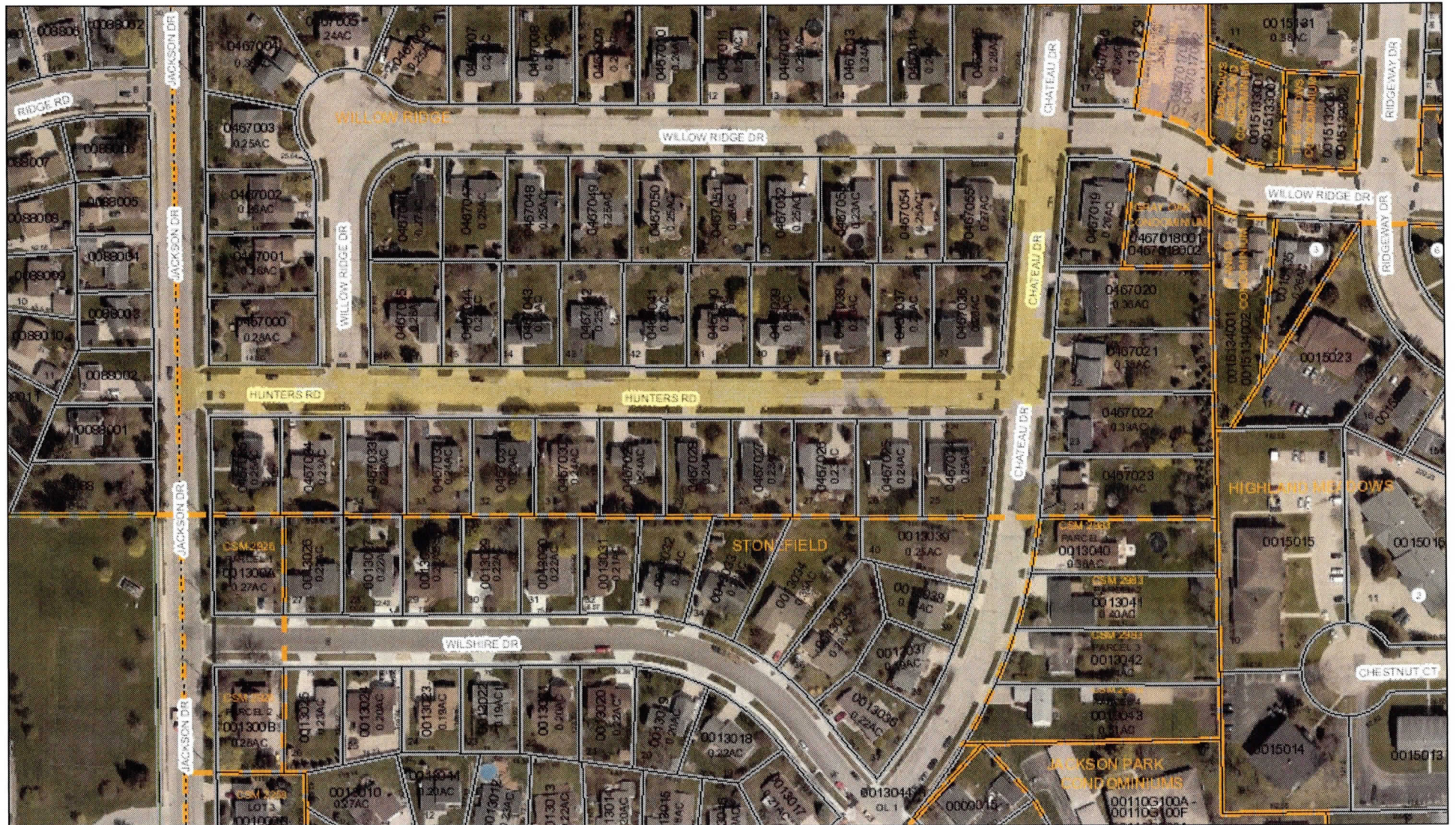
Sincerely,



Brian W. Kober, P.E.
Director of Public Works/Village Engineer

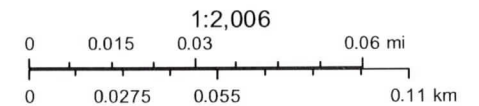
Enclosures

Web AppBuilder for ArcGIS



November 19, 2019

- Trails
- ⊕ PLSS Monument
- Road Centerline I, USH
- Road Centerline STH, CTH
- Road Centerline TWN, CVS, PVT
- Landhook
- Meander Line
- PLSS Boundary
- Plat
- Lot
- Current Parcel



Washington County
Washington County, Wisconsin



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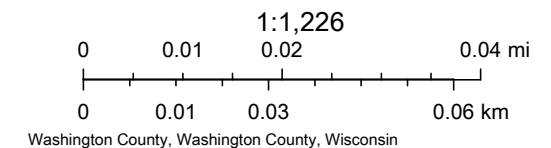
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Village of Jackson

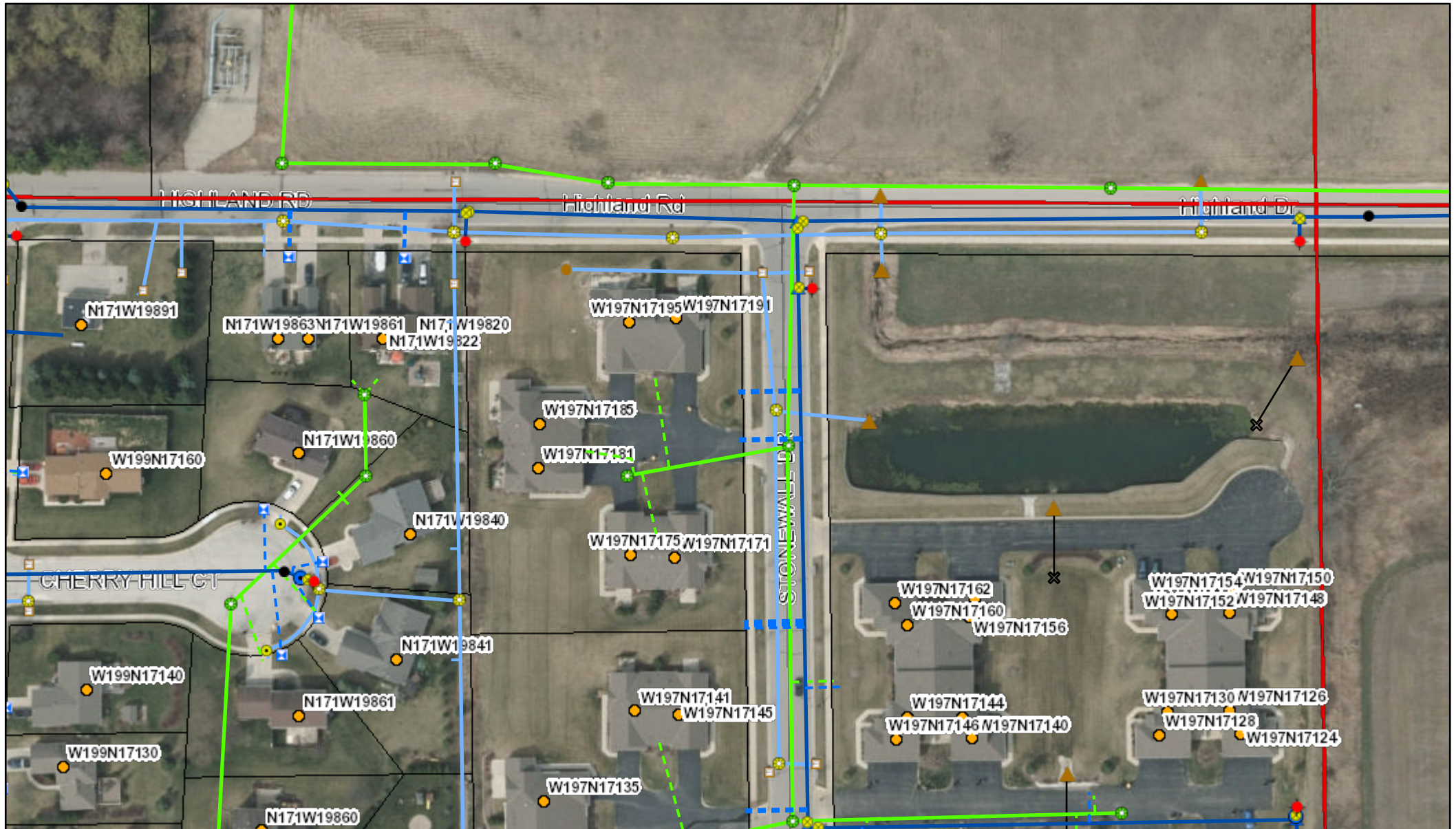


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- ◆ Hydrants
- Water Valves
- Water Curb Stops

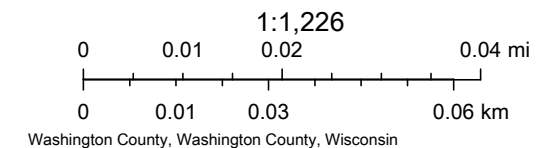


Village of Jackson



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- ◆ Hydrants
- Water Valves
- Water Curb Stops



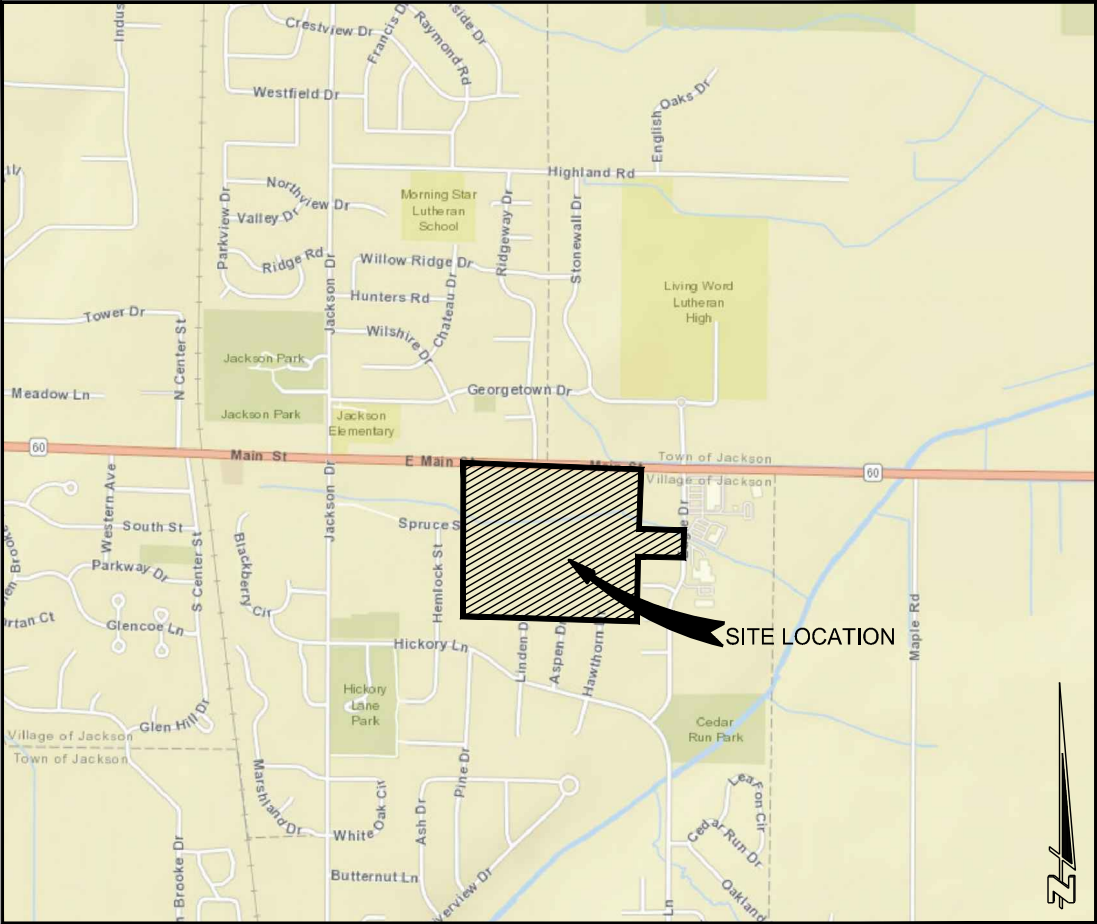
CONSTRUCTION DRAWINGS
FOR
SPRUCE STREET AND RIDGEWAY DRIVE EXTENSIONS
VILLAGE OF JACKSON
WASHINGTON COUNTY, WI
JULY 31, 2019

Prepared By

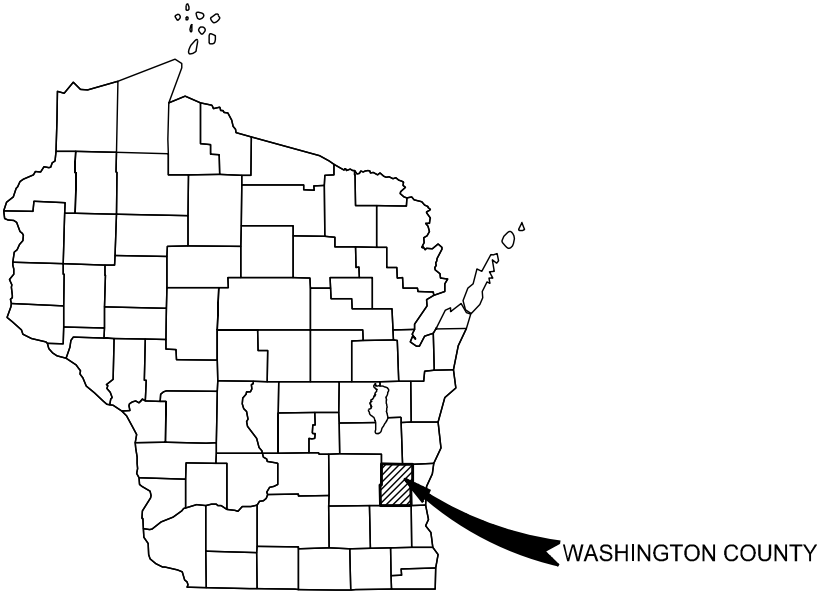


PROJECT I.D. 05789-0008

INDEX TO DRAWINGS	
SHEET NO.	DESCRIPTION
1	TITLE SHEET
2	STANDARD SYMBOLS ABBREVIATIONS & STAMPS
3 - 6	SPRUCE STREET PLAN AND PROFILE
7 - 8	RIDGEWAY DRIVE PLAN AND PROFILE
9	STH 60 PLAN AND PROFILE
10 - 12	STANDARD DETAILS
13 - 22	CROSS SECTIONS



SITE LOCATION MAP



COUNTY LOCATION MAP

ATTENTION:
DOWNLOADED PLANS ARE NOT SCALABLE, NEITHER THE OWNER NOR THE
ENGINEER SHALL BE HELD RESPONSIBLE FOR THE SCALE OR PRINT
QUALITY OF DOWNLOADED PLANS. ONLY PRINTED PLANS FROM CEDAR
CORPORATION SHALL BE CONSIDERED TO BE SCALEABLE PLANS.

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MAPPING & TOPOGRAPHY SYMBOLOGY

DESCRIPTION	SYMBOL	
	EXISTING	PROPOSED
SANITARY SEWER (PLAN) - LENGTH-DIA. MATERIAL @ GRADE	(SIZE & MAT'L) SAN	LENGTH - SIZE MATL SAN
STORM SEWER (PLAN) - LENGTH-DIA. MATERIAL @ GRADE	(SIZE & MAT'L) STM	LENGTH - SIZE MATL STM
WATER MAIN (PLAN)- LENGTH-DIA. MATERIAL-(FITTING-FITTING)	(SIZE & MAT'L) WTR	LENGTH - SIZE MATL WTR
SANITARY SEWER (PROFILE) - LENGTH-DIA. MATERIAL @ GRADE	(SIZE & MAT'L)	XXX'- XX" PVC SAN @ 0.00%
SANITARY FORCEMAIN (PROFILE) - DIA. MATERIAL	(SIZE & MAT'L)	XXX'- XX" FORCEMAIN @ 0.00%
STORM SEWER (PROFILE) - LENGTH-DIA. MATERIAL @ GRADE	(SIZE & MAT'L)	XXX'- XX" RCP STM @ 0.00%
WATER MAIN (PROFILE)- DIA. MATERIAL	(SIZE & MAT'L)	X" PVC WM.
GAS MAIN	-----GAS-----	-----GAS-----
ELECTRIC - BURIED	-----UGE-----	-----UGE-----
ELECTRIC - OVERHEAD	-----OE-----	-----OE-----
TELEPHONE - BURIED	-----TEL-----	-----TEL-----
TELEPHONE - BURIED (FIBER OPTIC)	-----FO-----	-----FO-----
TELEPHONE - OVERHEAD	-----OH-----	-----OH-----
CABLE TELEVISION - BURIED	-----TV-----	-----TV-----
CABLE TELEVISION - OVERHEAD	-----OH-----	-----OH-----
CENTERLINE	-----	-----
RIGHT-OF-WAY LINE	-----	-----
PROPERTY LINE	-----	-----
PAVEMENT (STREET, DRIVE, SIDEWALK, ETC.)	-----	-----
GRAVEL	=====	=====
CURB & GUTTER	=====	=====
RAILROAD	+++++	+++++
GUARDRAIL	-----□-----	-----□-----
FENCE - AS LABELED	-----○-----	-----○-----

CONTACTS

xxxxxx

MAPPING & TOPOGRAPHY SYMBOLOGY

DESCRIPTION	SYMBOL	
	EXISTING	PROPOSED
BENCHMARK		
CATCH BASIN/INLET		
CONTROL POINT		
CULVERT	(DIA. & TYPE)	(LENGTH-DIA. & TYPE)
CURB STOP		
GAS	WSO	G OR W
ELECTRIC PEDESTAL		
FIRE HYDRANT		
IRON PIPE = IP IRON ROD = IR	○ OR ○ _{IR}	● IP OR ● IR
LIGHT - ORNAMENTAL		
LIGHT - STREET		
MAILBOX		
MANHOLE ELECTRIC		
MANHOLE GAS		
MANHOLE MISCELLANEOUS		
MANHOLE SANITARY		
MANHOLE SIGNAL		
MANHOLE STORM		
MANHOLE STORM INLET CATCH BASIN		
MANHOLE WATER		
MANHOLE TELEPHONE		
METER - GAS		
METER - WATER		
PEDESTAL CABLE TV		
PEDESTAL TELEPHONE		
SIGN		
BUSH CONIFER		
BUSH DECIDUOUS		
TREE DECIDUOUS/INCH DIA		
TREE CONIFEROUS/INCH DIA		
TREE LINE		
VALVE: W=WATER, G=GAS		
UTILITY POLE		
SILT FENCE	SF	SF
MAJOR CONTOURS		
MINOR CONTOURS		
SPOT ELEVATIONS	+891.2	+891.22
INLET PROTECTION		

GENERAL NOTES:

- THESE DRAWINGS ARE NEITHER A LEGALLY RECORDED MAP, NOR A SURVEY, AND IS NOT INTENDED TO BE USED AS ONE.
- ALL PROPERTY LINES SHOWN ARE ESTABLISHED FROM COUNTY GIS FILES. PROPERTY LINES MAY NOT REFLECT ACTUAL LOT LINE LOCATIONS AND ARE FOR INFORMATIONAL PURPOSES ONLY.
- UTILITY LOCATIONS SHOWN ON THE PLANS WERE PROVIDED BY THE UTILITY OWNER. FIELD LOCATIONS MAY VARY AND ADDITIONAL UTILITIES MAY EXIST. CONTRACTOR SHALL CONTACT DIGGERS HOTLINE A MINIMUM OF 3 WORKING DAYS PRIOR TO BEGINNING CONSTRUCTION.
- ALL LENGTHS OF PROPOSED UTILITIES SHOWN ON THE PLANS ARE PER DESIGN, ACTUAL LENGTHS MAY VARY DURING CONSTRUCTION.

LIST OF STANDARD ABBREVIATIONS

ASPH	ASPHALT	NTS	NOT TO SCALE
B/B	BACK TO BACK	PC	POINT OF CURVATURE
BOC	BACK OF CURB	PCC	POINT OF COMPOUND CURVE
BLDG	BUILDING	PED	PEDESTAL
BM	BENCHMARK	PVMT	PAVEMENT
BSMT	BASEMENT	PI	POINT OF INTERSECTION
C	CUT	PL	PROPERTY LINE
C&G	CURB AND GUTTER	PP	POWER POLE
C/C	CENTER TO CENTER	PROP	PROPOSED
CABC	CRUSHED AGGREGATE BASE COURSE	PT	POINT OF TANGENCY
CB	CATCH BASIN	PVC	POLYVINYL CHLORIDE
CI	CAST IRON PIPE	PVC	POINT OF VERTICAL CURVATURE
CL	CENTERLINE	PVI	POINT OF VERTICAL INTERSECTION
CMP	CORRUGATED METAL PIPE	PVT	POINT OF VERTICAL TANGENCY
CO	CLEAN OUT	R	RANGE OR RADIUS
CONC	CONCRETE	RCP	REINFORCED CONCRETE PIPE
CP	CONTROL POINT	REBAR	REINFORCEMENT BAR
CTH	COUNTY TRUNK HIGHWAY	REQD	REQUIRED
CTV	CABLE TV	RL	REFERENCE LINE
CS	CURB STOP	ROW	RIGHT-OF-WAY
DIA	DIAMETER	SAN	SANITARY
DI	DUCTILE IRON PIPE	WALK	SIDEWALK
EA	EACH	SF	SILT FENCE
ELEC	ELECTRIC (E WHEN USED IN LINE STYLE)	SL	SANITARY LATERAL
EP	EDGE OF PAVEMENT	SHLDR	SHOULDER
EXIST	EXISTING	STA	STATION
FH	FIRE HYDRANT	STH	STATE TRUNK HIGHWAY
FL	FLOW LINE	STM	STORM OR STORM SEWER
FM	FORCE MAIN	TEL	TELEPHONE
FO	FIBER OPTIC	TEMP	TEMPORARY
G	GAS	TOC	TOP OF CURB
GV	GAS VALVE	TYP	TYPICAL
GW	GUY WIRE	VC	VERTICAL CURVE
INV	INVERT	WM	WATER MAIN
IP	IRON PIPE OR PIN	WS	WATER SERVICE
L	LENGTH (OF CURVE)	WV	WATER VALVE
LC	LONG CHORD OF CURVE		
LP	LIGHT POLE		
MB	MAILBOX		
MG	METER-GAS		
MH	MANHOLE		

BENCHMARKS

	HYDRANT BURY BOLT AT EAST END OF SPRUCE STREET NORTH SIDE OF ROAD	871.46
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NOTE: ALL BENCHMARK LOCATIONS ARE SHOWN ON PLAN

VILLAGE OF JACKSON
SPRUCE STREET AND RIDGEWAY DRIVE EXTENSIONS
WASHINGTON COUNTY, WISCONSIN
STANDARD SYMBOLS AND ABBREVIATIONS



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SHEET NO.

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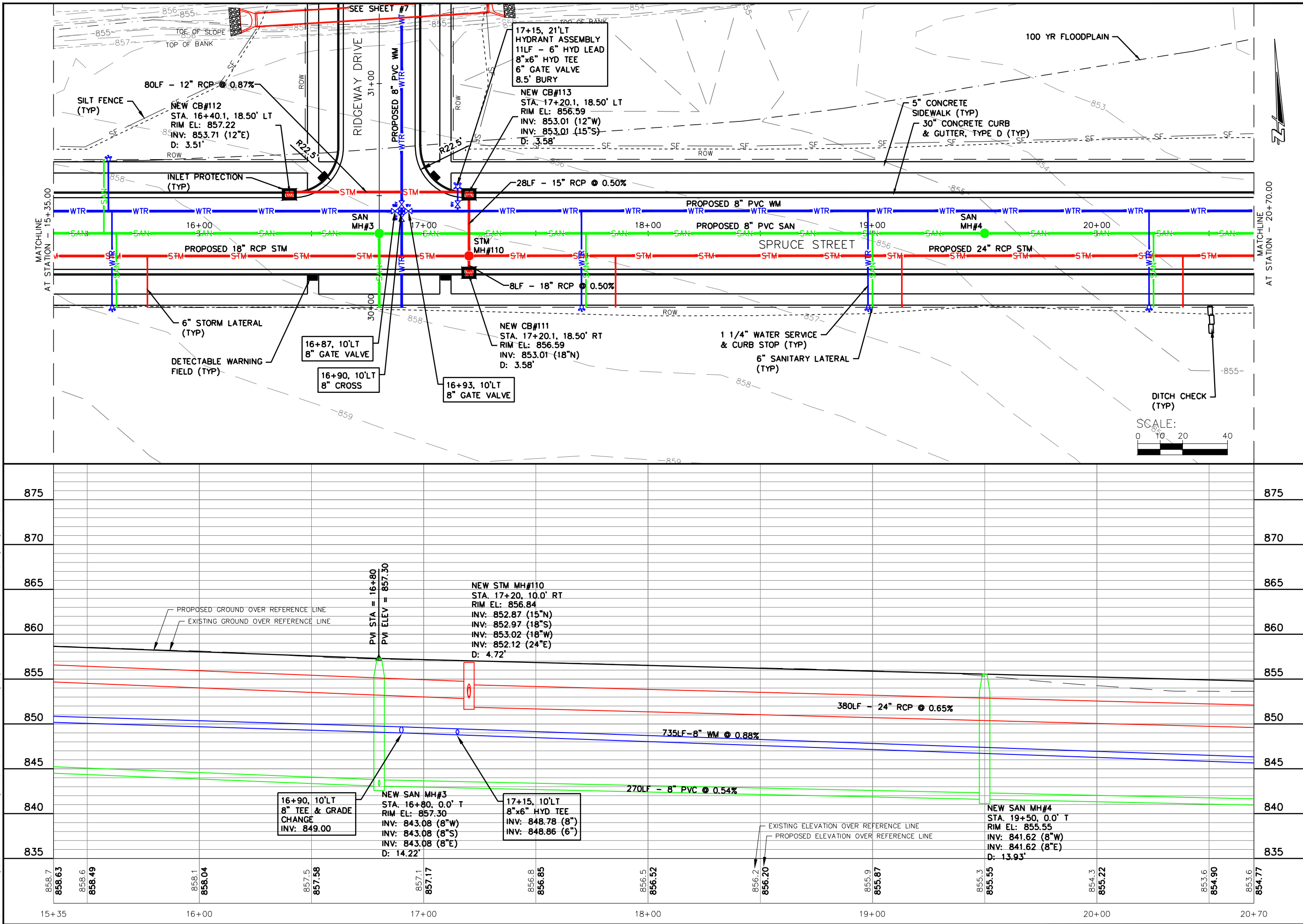
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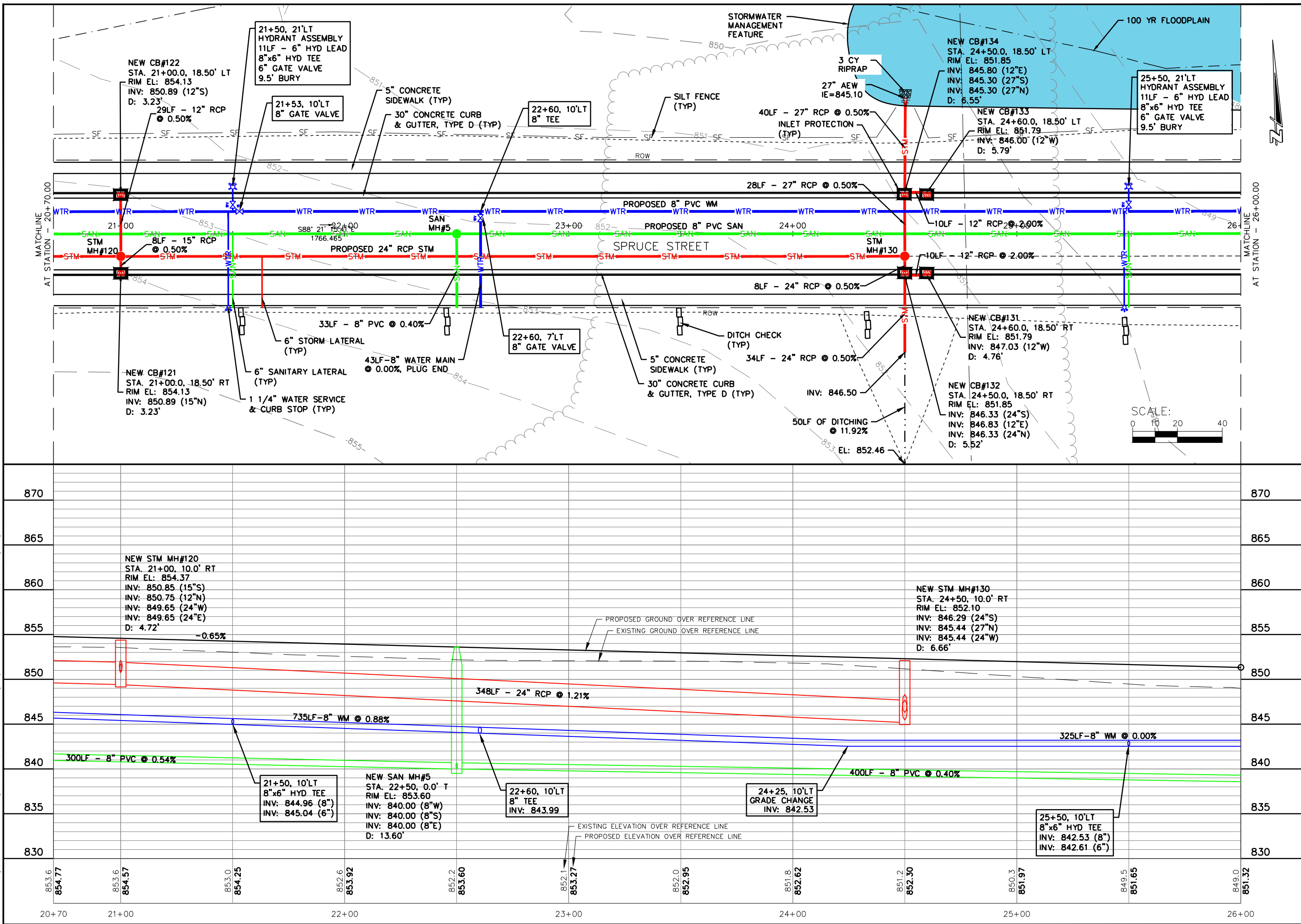
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Northbrook, WI 53072
608-554-0037
262-204-2360
FAX 262-375-2688

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715-235-3081
FAX 920-491-9020
FAX 715-235-2727

VILLAGE OF JACKSON
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WASHINGTON COUNTY, WISCONSIN
SPRUCE STREET PLAN AND PROFILE

SHEET NO.
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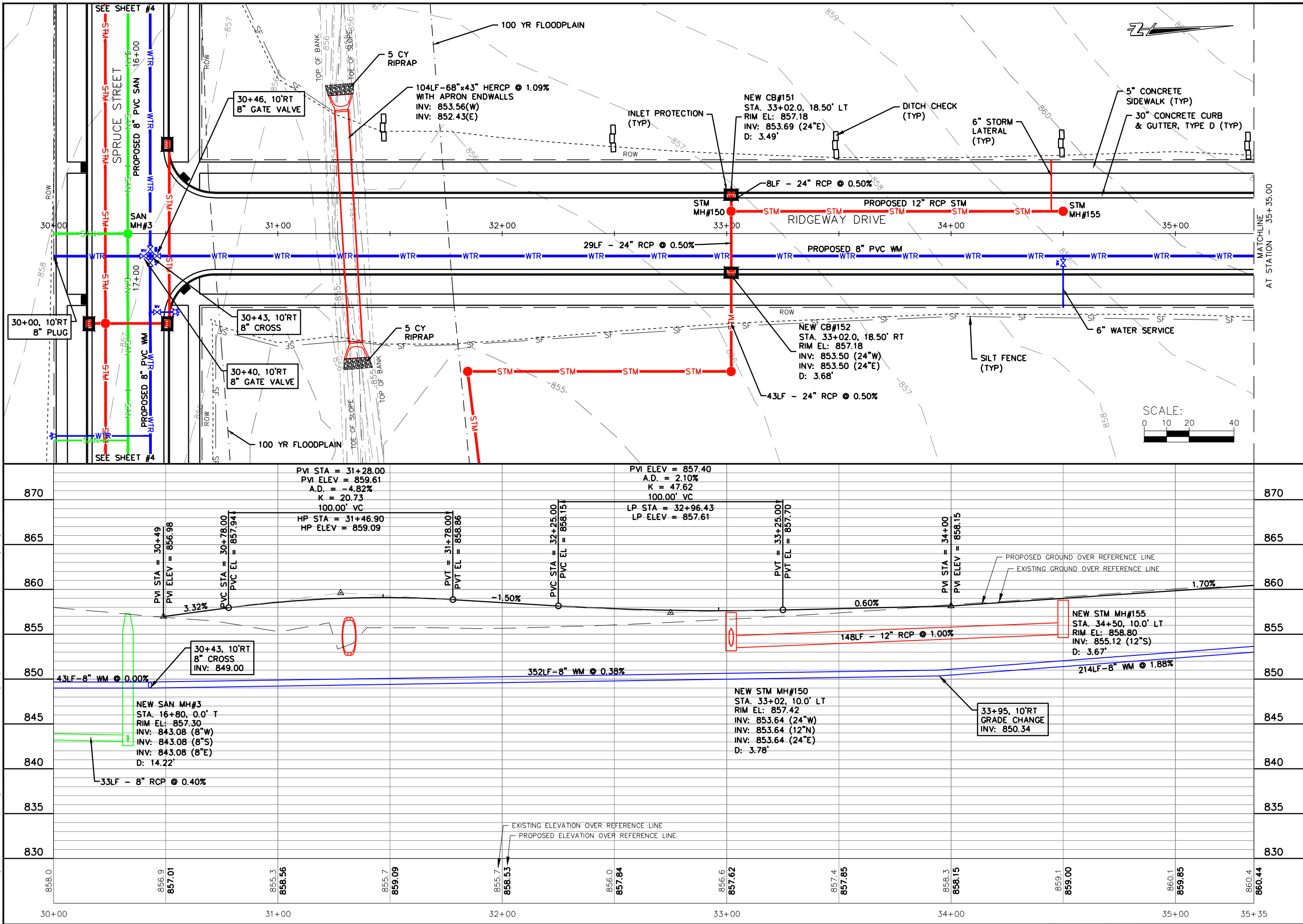
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corporation

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Orem, UT 84411
801-225-3081
FAX 801-225-3081

2820 Walton Commons W.
North Salt Lake, UT 84064
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FAX 801-537-7819

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WASHINGTON COUNTY, WISCONSIN
SPRUCE STREET PLAN AND PROFILE

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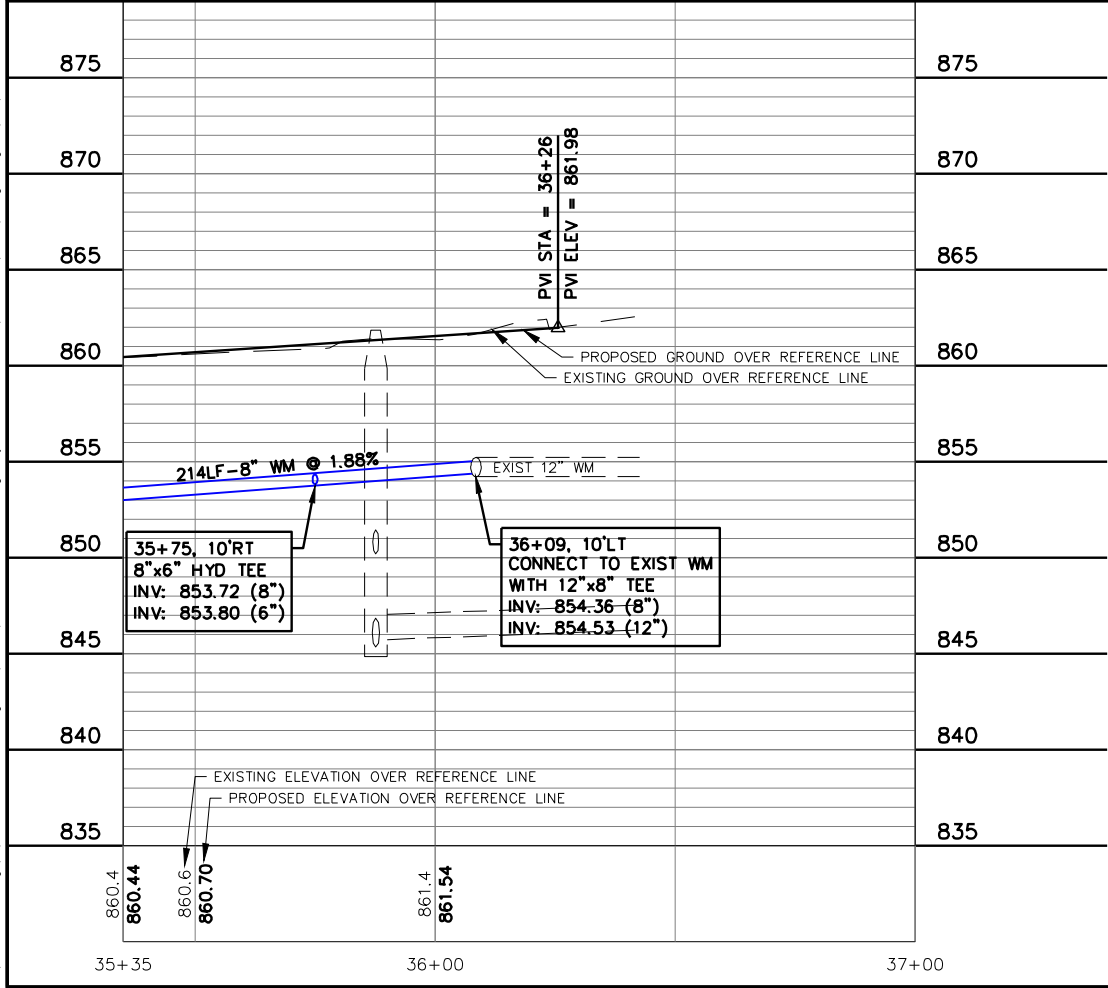
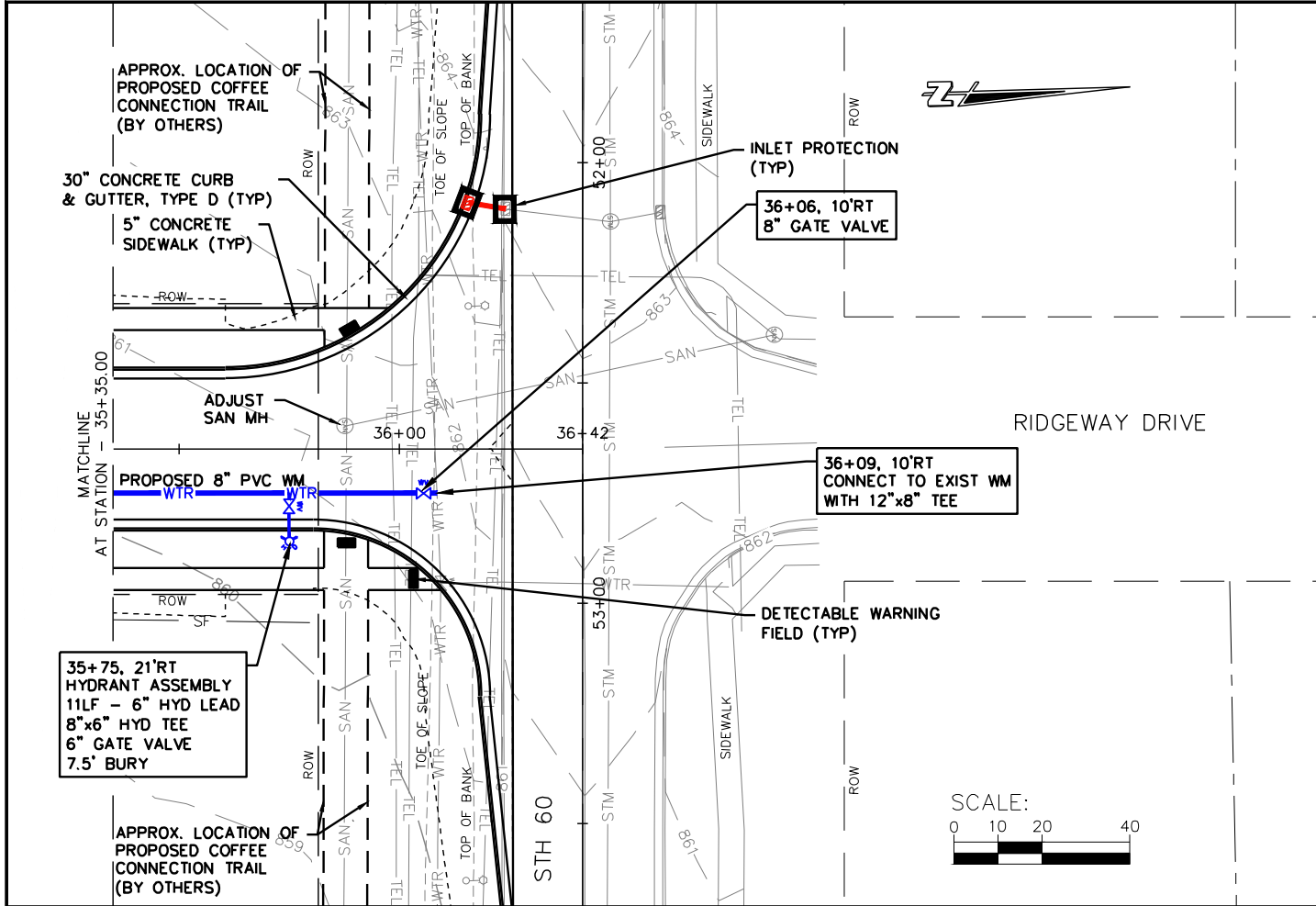
1635 Bellevue Street
Menomonee Falls, WI 53051
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FAX 920-491-9020

634 Wilson Ave.
Menomonee Falls, WI 53051
715-235-3081
FAX 715-235-2727

VILLAGE OF JACKSON
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WASHINGTON COUNTY, WISCONSIN
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1635 Bellevue Street

Decorah, WI 54601

920-491-9081

715-235-3081

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634 Wilson Ave.

Menomonie, WI 54751

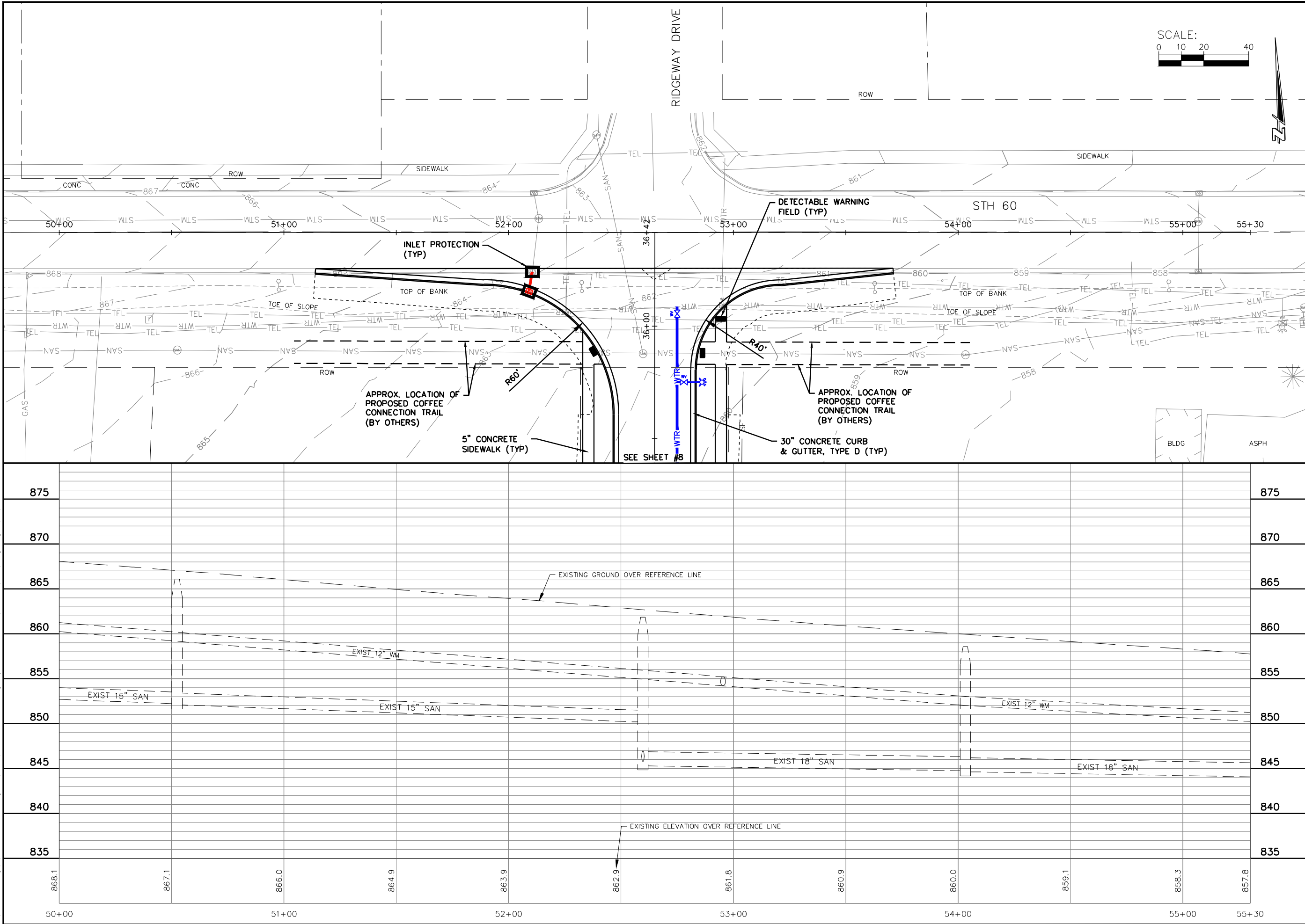
715-235-3081

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WASHINGTON COUNTY, WISCONSIN
RIDGEWAY DRIVE PLAN AND PROFILE

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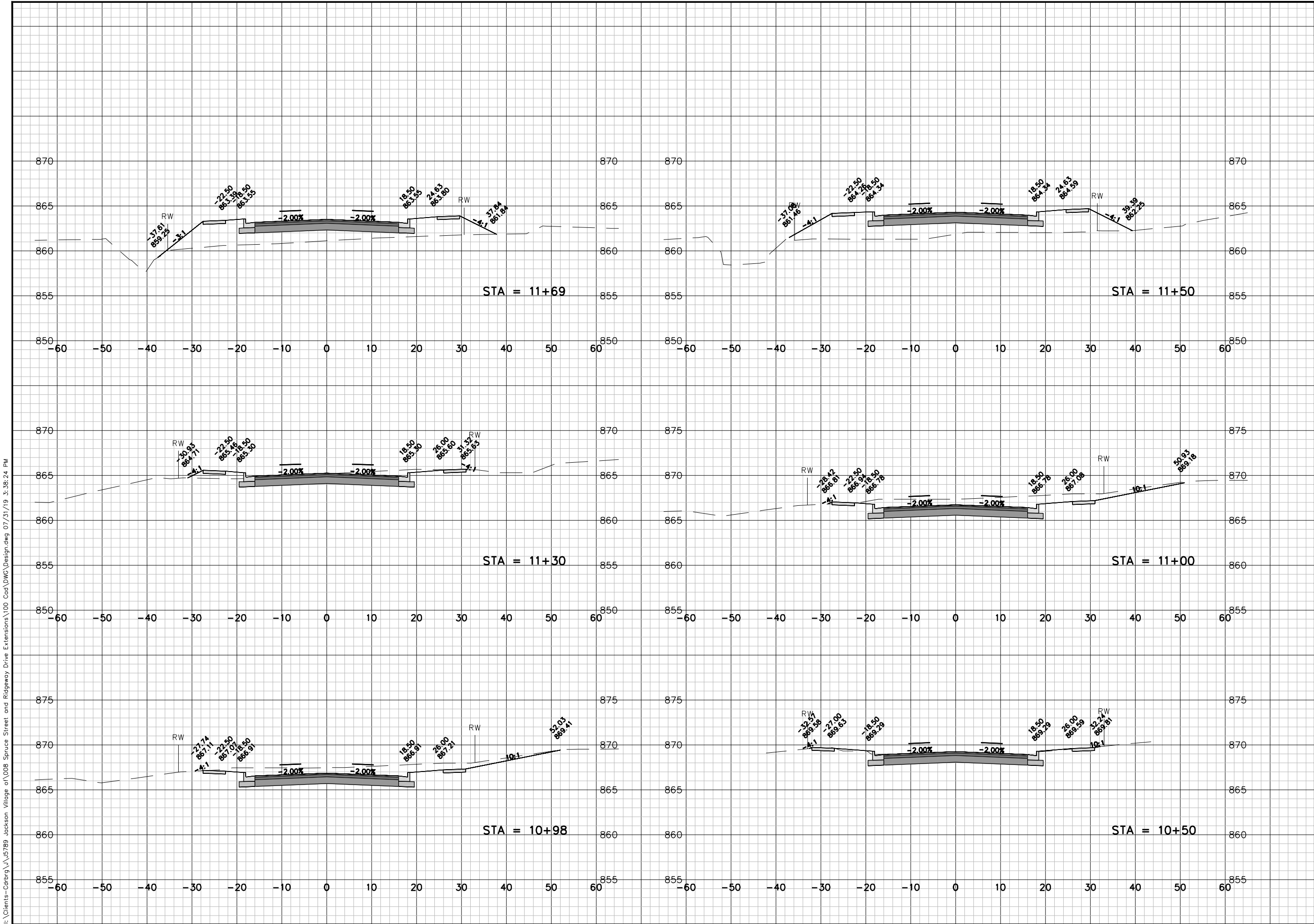
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VILLAGE OF JACKSON
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WASHINGTON COUNTY, WISCONSIN
STH 60 PLAN AND PROFILE

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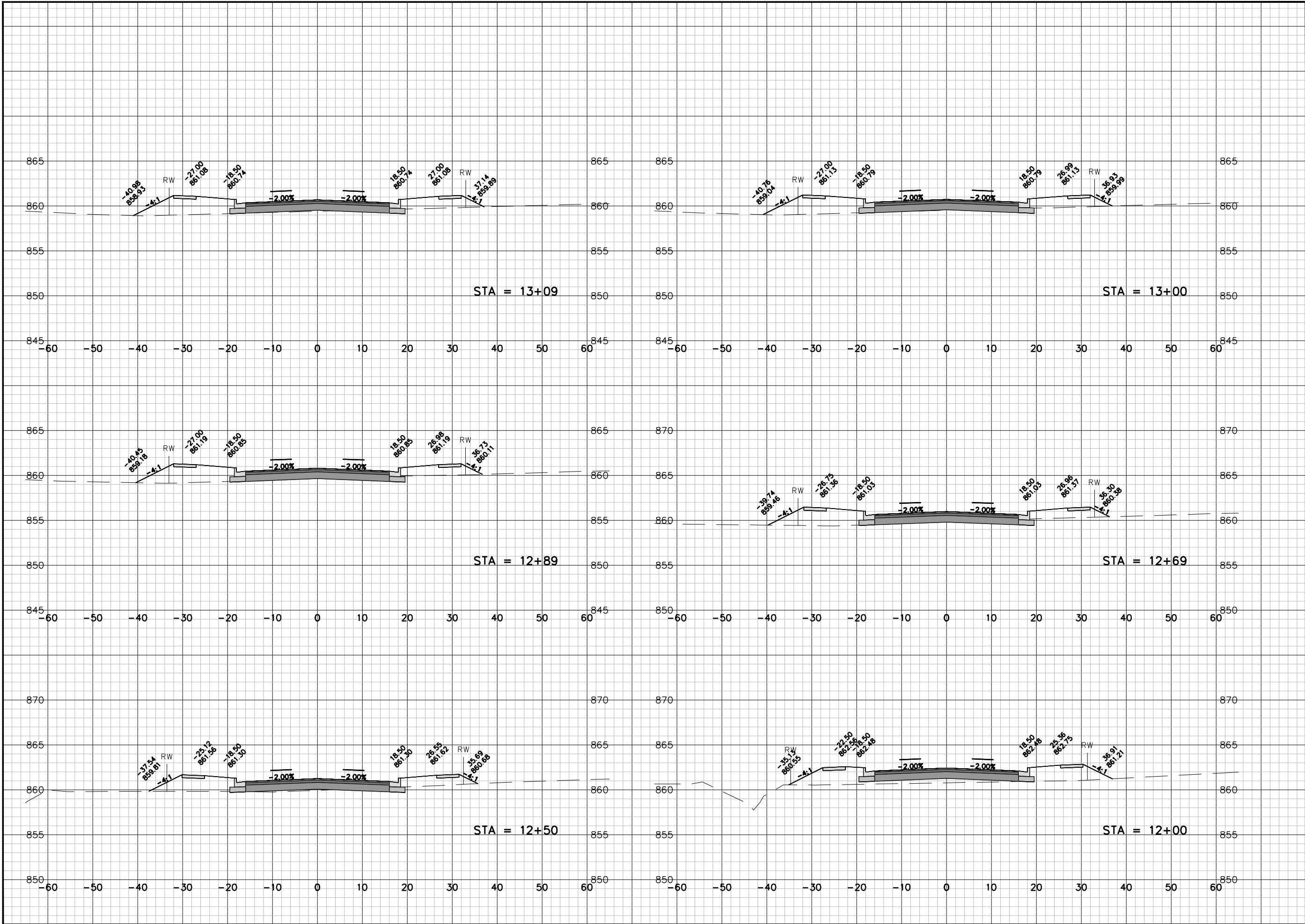
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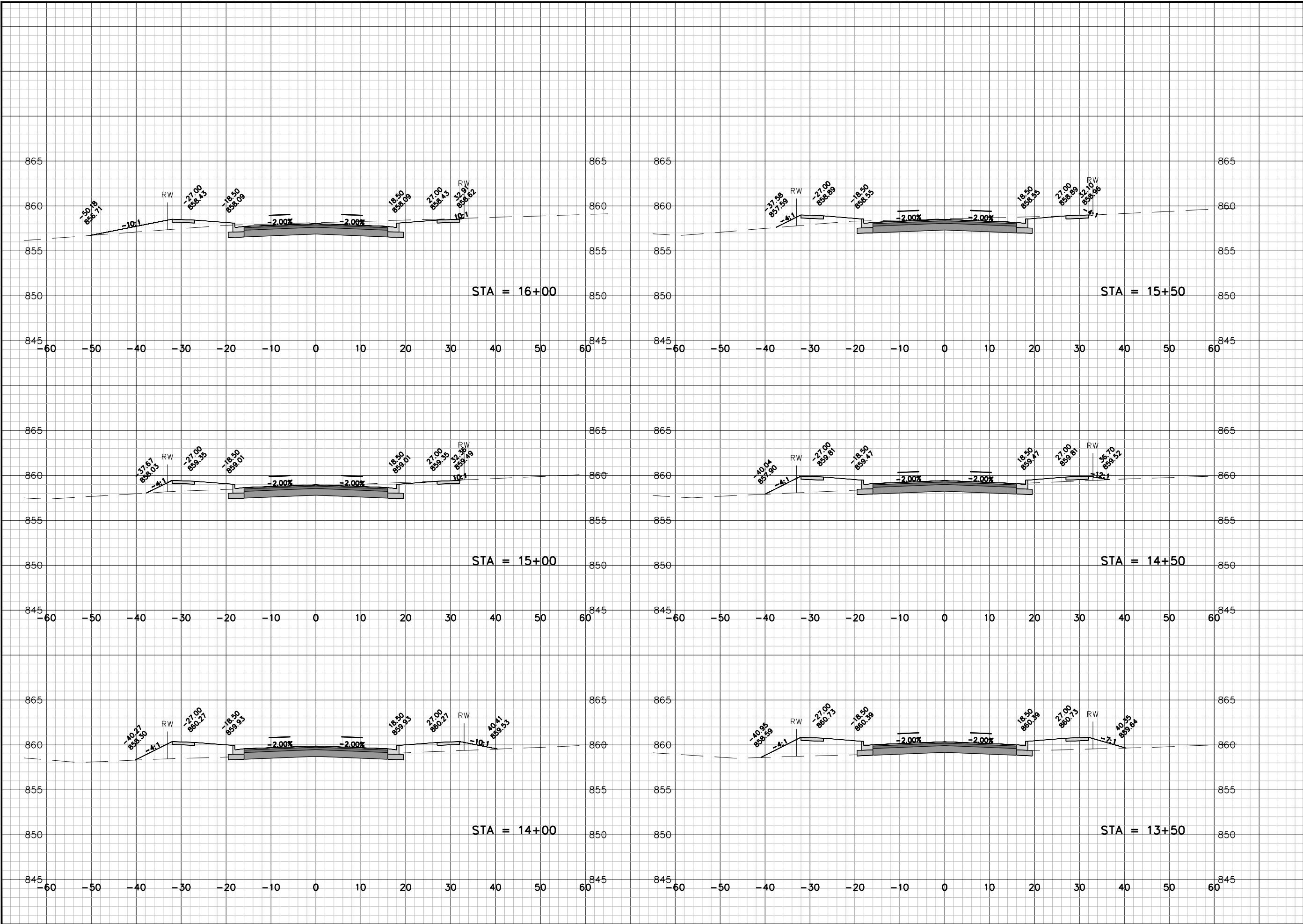
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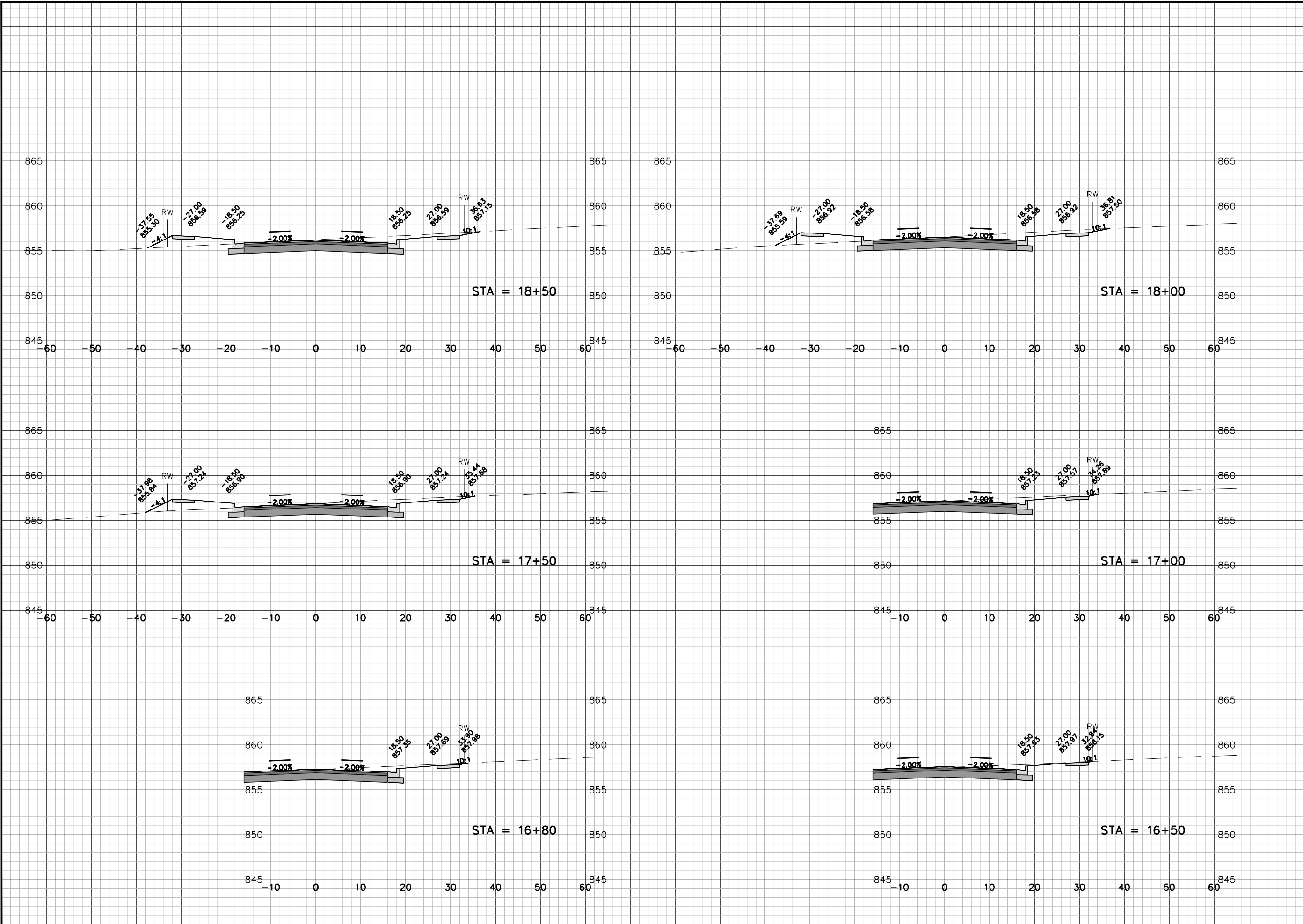
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FAX 715-235-2727

VILLAGE OF JACKSON

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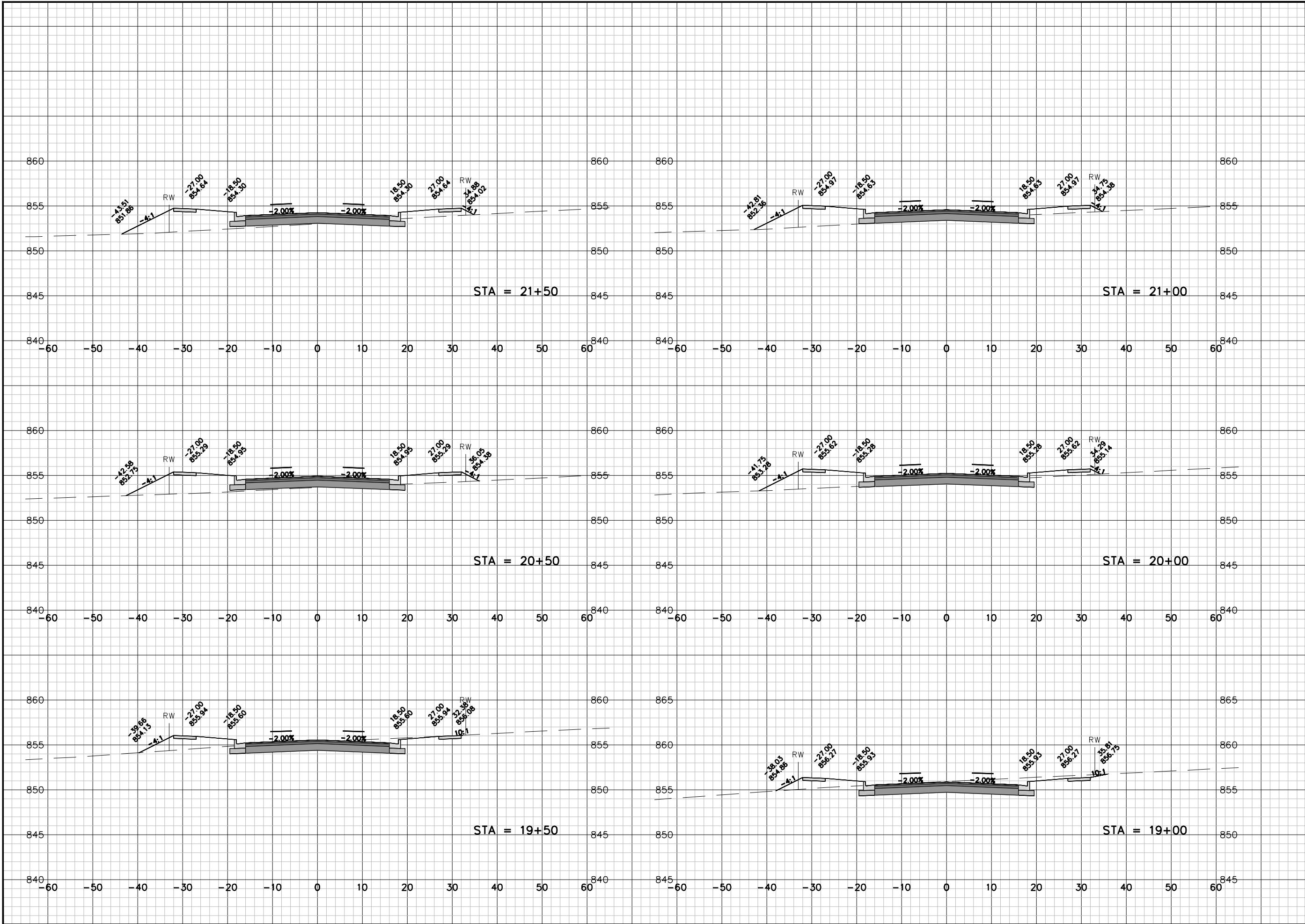
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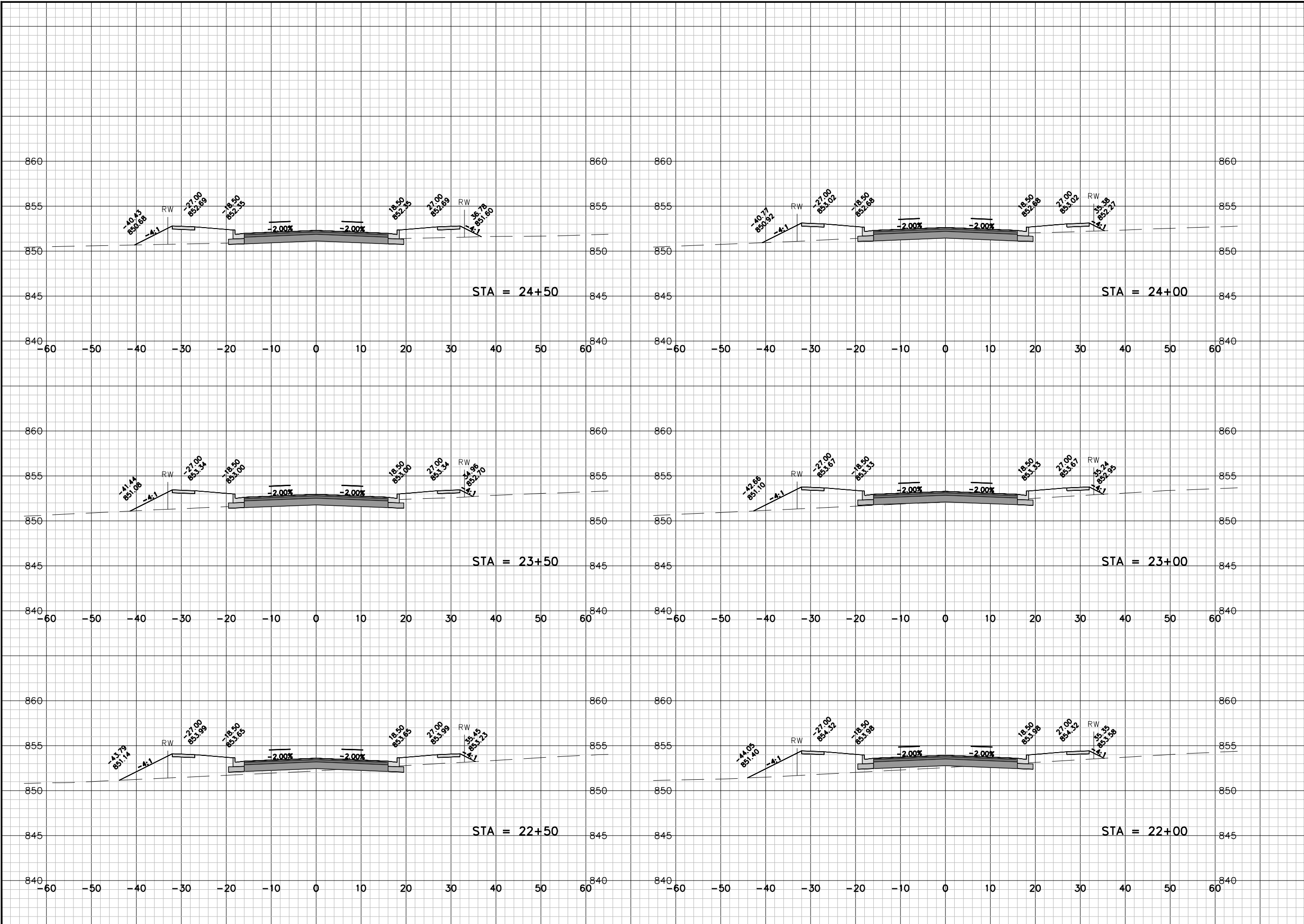
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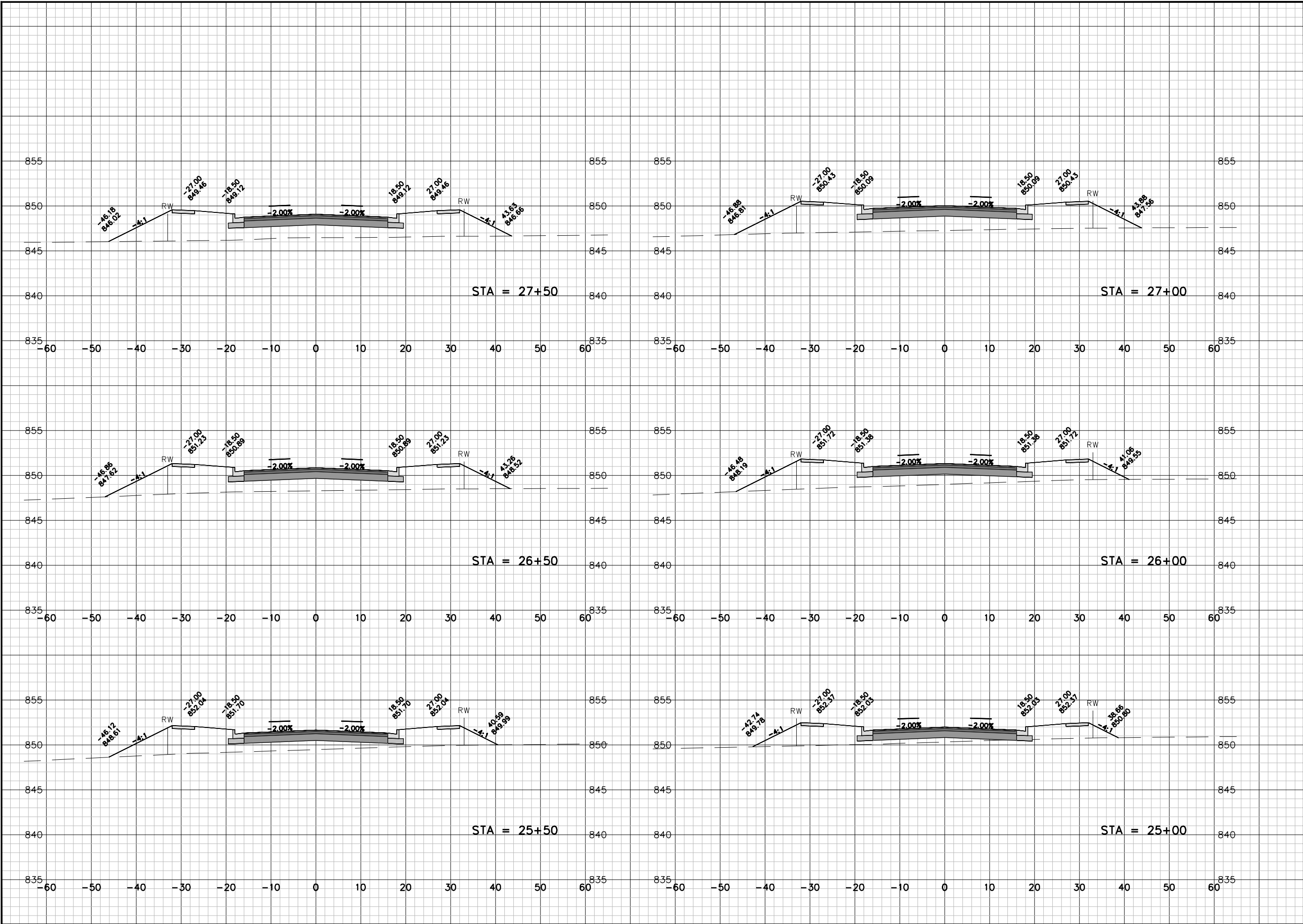
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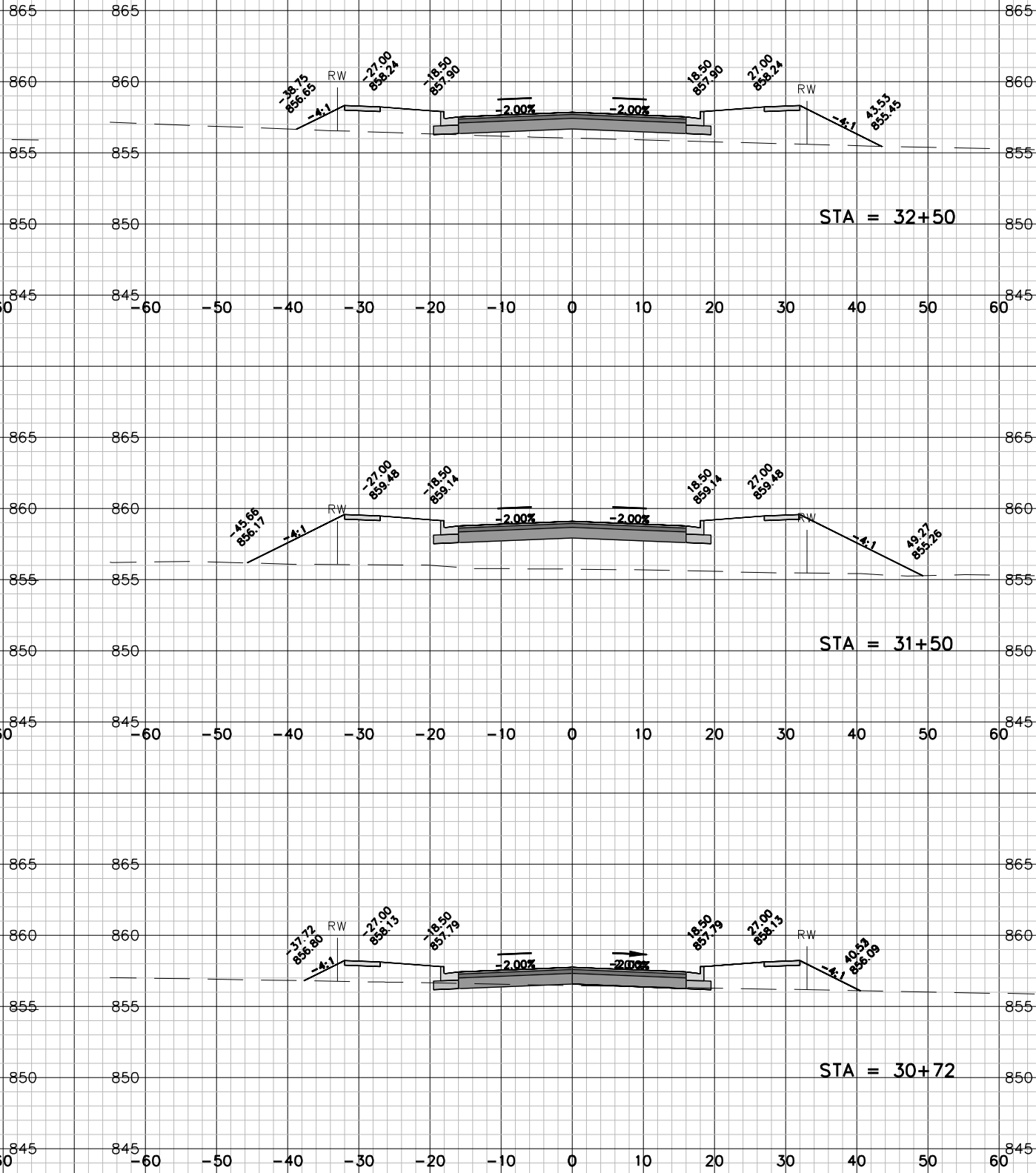
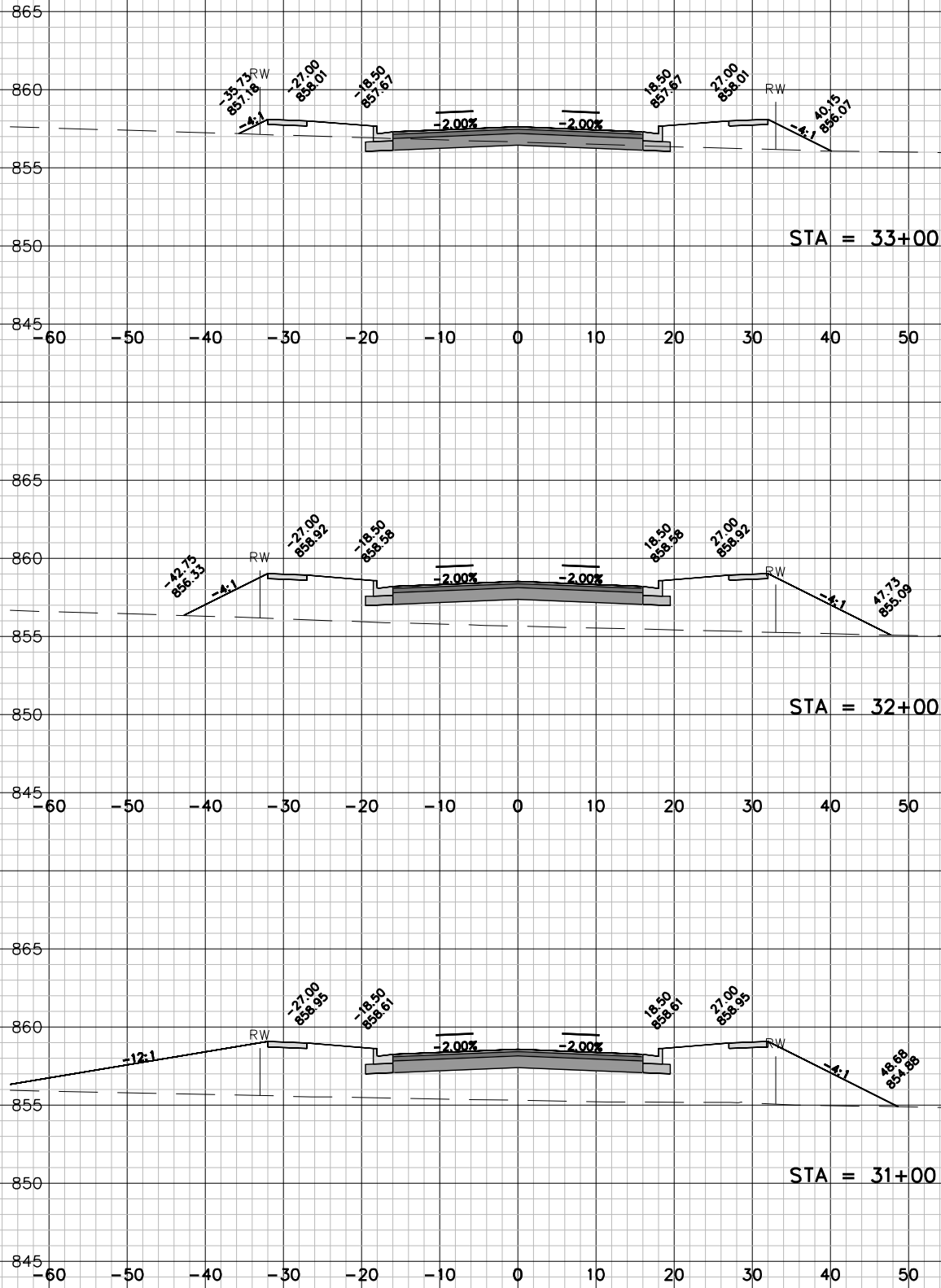
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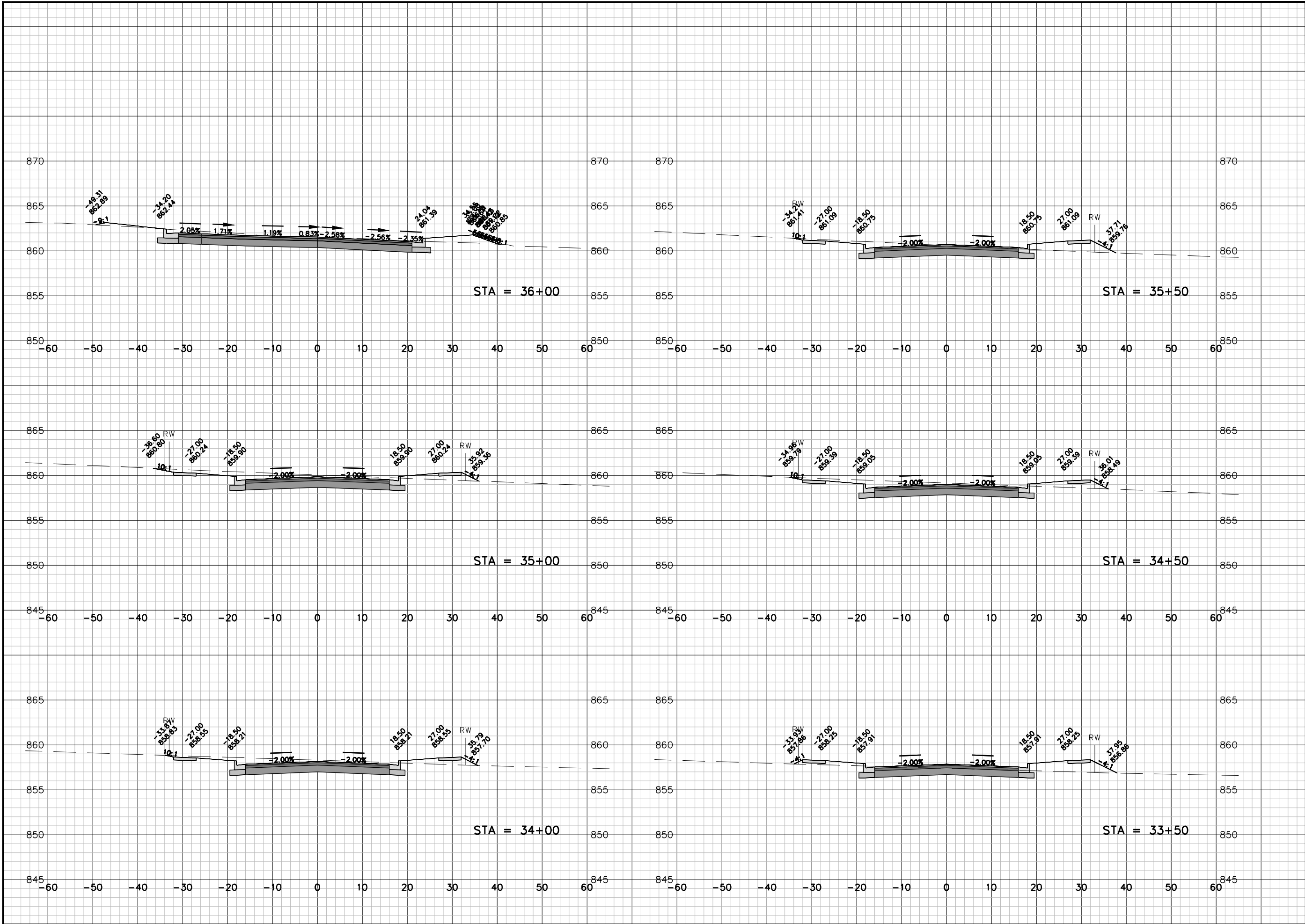
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RIDGEWAY DRIVE CROSS SECTIONS

MEMORANDUM

Date: February 10, 2020

To: Brian Kober, P.E. – Director of Public Works, Village of Jackson

From: Greg Droessler, P.E.

Subject: Engineering Services for Phosphorus Compliance Alternatives Planning

In October, 2017 the Village received a new discharge permit for the wastewater plant. This permit included new interim limits for phosphorus as a result of new regulations passed in 2010.

The new limits for phosphorus included a compliance schedule with annual requirements to evaluate and implement options to meet the new limits. The first year (September 2018) required submission of an operational evaluation report, which was submitted by the Village. The second year (September 2019) required source reduction, to identify alternates and a status report, which has been completed. The third year (September 2020) requires the Village to complete an evaluation to determine which compliance option(s) may be selected. Year four (September 2021) requires a final compliance alternatives plan be submitted by the Village, effectively determining the selected compliance option.

There are normally four primary ways to meet the new permit requirements:

- Provide full phosphorus treatment, which requires capital improvements that may include the addition of, expansion of, or optimization of tertiary filters
- Watershed adaptive management
- Water quality trading
- Individual or multi-discharger variance request

The permit for the WWTF requires a Compliance Alternatives Plan to be submitted to the DNR outlining the steps that will be taken by the Village to meet the new phosphorus limits. This will include a cost evaluation of alternatives, environmental impacts, recommendation of the preferred course of action, and the impact to user rates.

The Final Compliance Alternatives Plan, to be submitted by September 2021, would expand on the results of the Preliminary Compliance Alternatives Plan and finalize plans for the selected alternative determined this year. The scope of services for the Preliminary Compliance Alternatives Plan (Year 3) and Final Compliance Alternatives Plan (Year 4) includes the following:

Phosphorus Compliance Alternatives Plan (9/30/2020)

- A. Use the existing WWTF design capacities to develop and identify alternatives that can meet the new phosphorus regulations. Alternatives will include adaptive management and trading if the work under the non-point source evaluation section is determined to be viable options, and changes or additions to existing WWTF infrastructure.
- B. Develop capital and operational cost for each of the alternatives under consideration.
- C. Address environmental impacts for each of the alternatives.

TOWN & COUNTRY ENGINEERING, INC.

Madison ♦ Rhinelander ♦ Kenosha
2912 Marketplace Drive, Suite 103 • Madison, WI 53719 • (608) 273-3350 • tce@tcengineers.net

- D. Attend public works or utility committee meetings to provide the Village with progress updates; to obtain input from Village staff and officials; and to solicit Village input with key decisions. We would provide yearly updates to the DNR as the permit requires.
- E. Prepare preliminary user rate impacts.
- F. Evaluate options for a water quality variance or participation in the new Multi-Discharger Variance.
- G. Submit the engineering report to the WDNR according to the permit compliance schedule.

Final Compliance Alternatives Plan (9/30/2021)

- A. Finalize selection, or selections, of a phosphorus compliance alternative plan and develop the final report for submission to the Department. If an upgrade to the treatment plant is necessary, an engineering design report will be submitted. If a watershed based approach is to be implemented, a Watershed Adaptive Management Request Form or Water Quality Trading Notice of Intent will be submitted.
- B. Refine capital and operational costs for each of the alternatives under consideration.
- C. Attend public works or utility committee meetings to provide the Village with progress updates; to obtain input from Village staff and officials; and to solicit Village input with key decisions.
- D. Update preliminary user rate impacts for the selected alternative.
- E. Submit the final engineering report to the WDNR according to the permit compliance schedule.

The cost for completion of the permit required Preliminary Compliance Alternatives Plan and Final Compliance Alternatives Plan will be up to \$15,000 and will be charged on a time and materials basis.

The Village will be expected to provide facility information and historical data to be used to develop the projection outlined above. Facility staff will also be expected to perform water quality testing as necessary to verify design assumptions if the need arises.

The following items are not included in the scope for phosphorus planning:

- Procurement of grants and loans
- Wetlands, soils, or archeological investigations
- Pilot testing phosphorus removal systems
- Preparation of an adaptive management plan or water quality trading plan
- Investigation of individual non-point source projects

We can assist the Village in addressing any of these additional work items, if required.

We at Town & Country Engineering, Inc. wish to thank you for allowing us to serve the Village on this project. If you have any questions regarding the above material, please feel free to call.

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Task Order – Standard Hourly Rates Basis

In accordance with Paragraph 1.01 of the Agreement Between Village of Jackson (Owner) and Town & Country Engineering, Inc. (Engineer) for Professional Services – Task Order Edition, dated February 10, 2016 ("Agreement"), Owner and Engineer agree as follows:

1. Background Data

- a. Effective Date of Task Order: February 10, 2020
- b. Specific Project (title): Phosphorus Compliance Alternatives Planning (Years 3 & 4)
- c. Specific Project (description): See Attachment A.

2. Services of Engineer

- A. The specific services to be provided or furnished by Engineer under this Task Order are described in Attachment A and the services (and related terms and conditions) set forth in the following sections of Exhibit A, as attached to the Agreement referred to above, such sections being hereby incorporated by reference:
 - Preliminary Design Phase (Exhibit A, Paragraph A1.02)
- B. All of the services included above comprise Basic Services for purposes of Engineer's compensation under this Task Order.

3. Additional Services

Those services (and related terms and conditions) set forth in Paragraph A2.01 of Exhibit A, as attached to the Agreement referred to above, such paragraph being hereby incorporated by reference.

4. Owner's Responsibilities

Owner shall have those responsibilities set forth in Article 2 of the Agreement and in Exhibit B, as attached to the Agreement referred to above, such Article and Exhibit being hereby incorporated by reference.

5. Task Order Schedule

In addition to any schedule provisions provided in Exhibit A, as attached to the Agreement referred to above, or elsewhere, the parties shall meet the schedule set forth in Attachment A.

6. Payments to Engineer

- A. Owner shall pay Engineer for Basic Services set forth above, except for services of Engineer's Resident Project Representative, if any, as follows:
 1. An amount equal to the cumulative hours charged to the Project by each class of Engineer's personnel times Standard Hourly Rates for each applicable billing class for all services performed on the Project, plus Reimbursable Expenses.
 2. Engineer's Standard Hourly Rates Schedule is shown below.
 3. The total compensation for services under this Task Order is not-to-exceed \$15,000.
- B. Compensation for Reimbursable Expenses
 1. Owner shall pay Engineer for all Reimbursable Expenses at the rates set forth below.

Standard Hourly Rates and Reimbursable Expense Rates Schedule

Standard Hourly Rates and Reimbursable Expense Rates are set forth below. Standard Hourly Rates include salaries and wages paid to personnel in each billing class plus the cost of customary and statutory benefits, general and administrative overhead, non-project operating costs, and operating margin or profit.

Schedule:

Principal/Senior Project Manager.....	\$145.00 per hour
Senior Project Engineer	\$125.00 per hour
Project Engineer II.....	\$115.00 per hour
Project Engineer I.....	\$110.00 per hour
Branch Office Engineer	\$105.00 per hour
Staff Engineer II.....	\$95.00 per hour
Staff Engineer I.....	\$85.00 per hour
Senior Engineering Technician.....	\$85.00 per hour
Engineering Technician II	\$75.00 per hour
Engineering Technician I	\$65.00 per hour
Resident Inspector II.....	\$80.00 per hour
Resident Inspector I	\$65.00 per hour
Grant Writer.....	\$70.00 per hour
Secretary II.....	\$55.00 per hour
Secretary I	\$50.00 per hour
Mileage	\$0.65 per mile
Total Station/GPS Survey Equipment	\$20.00 per hour of actual use
Computer used for CADD	\$15.00 per hour of actual use
Plotter	\$15.00 per plan page

7. Terms and Conditions

Execution of this Task Order by Owner and Engineer shall make it subject to the terms and conditions of the Agreement (as modified above), which Agreement is incorporated by this reference. Engineer is authorized to begin performance upon its receipt of a copy of this Task Order signed by Owner.

The Effective Date of this Task Order is February 10, 2020.

OWNER: Village of Jackson

ENGINEER: Town & Country Engineering, Inc.

By: _____

By:  _____

Print Name: John Walther

Print Name: Gregory J. Droessler, P.E.

Title: Administrator

Title: Vice-President

Date: _____

Date: 2/10/2020

Engineer License or Firm's

Certificate No. (if required): 37471-006

State of: Wisconsin

DESIGNATED REPRESENTATIVE FOR TASK ORDER:

DESIGNATED REPRESENTATIVE FOR TASK ORDER:

Name: _____

Name: Greg Droessler, P.E.

Title: _____

Title: Vice President

Address: N168 W20733 Main Street
Jackson, WI 53037

Address: 10505 Corporate Drive, Suite 105A
Pleasant Prairie, WI 53158

E-Mail
Address: _____

E-Mail
Address: gdroessler@tcengineers.net

Phone: _____

Phone: (262) 620-2914

Task Order Form - Standard Hourly Rates Basis

EJCDC® E-505, Agreement Between Owner and Engineer for Professional Services – Task Order Edition.
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M e m o

e

To: Brian Kober

From: Jeff L. Deitsch 

m

Date: 01/29/2020

Re: Why Diesel Instead of Gas UTV

o

This is a response to the question that was ask at the last public works meeting January 28, 2020 about why a Diesel RTV instead of a Gas UTV.

Diesel engines maximize the potential for performance, longevity and fuel economy. As with our last gas UTV, we did a lot of towing and hauling. Diesel engines produce a lot more torque than gas engines which is more efficient for towing and hauling. Keep in mind that torque is more important than horsepower when it comes to towing and hauling.

Diesel engines have no spark plugs, so you don't need to worry about ignition tune -ups or fouled plugs. Diesel engines are more ruggedly built to withstand higher compression and will generally last longer than gas engines. Diesel engines usually require less maintenance and are more reliable than gas engines. You will get more mileage / hours out of a diesel engine because they deliver close to 30% better fuel economy than gas engines.

As you know we had a gas UTV years ago and had lots of problems with the engine running properly. At the time, we had Chris Bales on staff that was a small engine mechanic and he couldn't get that machine to work properly. The gas engine fouled plugs all the time from idling and the short trips by starting and stopping of the gas engine. Diesel engines will have no problem with Idling or short trip around the plant. The gas UTV also had problems with the drive line or transmission. It was belt driven like a snowmobile, so it wore out belts because of the towing and hauling we did. The Kubota has a hydrostatic transmission that is essentially a tractor-type transmission that is made for heavy duty use.

The diesel engine is water cooled that is better adapted for warmer weather in the summer than the air-cooled gas UTV for the work we do. The factory installed fully enclosed cab has air conditioning, defroster, and heating system to keep staff comfortable and efficient in all types of weather for all types of jobs.

Like in the past, this Kubota RTV will help the staff to be efficient of their time for operation and maintenance of the WWTF. The Kubota RTV have a reputation of being rugged, reliable and it we be an asset to the utility.

M e m o

e

To: Brian Kober

From: Jeff L. Deitsch

Date: January 22, 2020

m

Re: RTV Service Vehicle

o

I have received Quotes from two Kubota RTV Dealers for an off-road service vehicle budgeted for the Jackson Sewer Utility in 2020. This vehicle will aid in our early walkaround, maintenance of equipment/grounds, weed control, interceptor sewer maintenance and winter operation at the WWTF. The vehicle has a small footprint with the ability to maintain equipment off the pavement preventing damage of the grounds. The Kubota RTV are a heavy duty-built machine, transmission driven (not a belt) with a hard cab for all season Work abilities. The bids are:

John P. Lochen CO., Inc, Newburg ----- \$17,900.00

Bill's Power Center, Inc, Brookfield ----- \$18,300.00

I recommend purchasing from John P. Lochen Co., Inc, Newburg for \$17,900.00

John P. Lochen Co., Inc.

Matt Falkner

512 Franklin Street PO Box 110

Newburg, WI 53060-0110

(262) 675-6565 / (262) 483-1226 (mobile)

email: mfalkner@lochenequipment.com

EQUIPMENT QUOTE

Customer Name

Village of Jackson

utilitydept@villagesofjackson.com

Address

City, State, Zip

Phone Number

Date:

414-840-0560 Jeff 262-677-0707

1/9/2020

Equipment Description:

Kubota RTV X1100 CUL-H Utility Vehicle

Orange HO tires spray in bulliner hyd lift

All For:

\$ 17,900⁰⁰

Trade In Description

Options installed

K7731-99620 Front work lights (2) 250

77700-05054 side mirror kit (2) 200

K7731-99610 turn signal hazard light kit 400

Value:

77760-04753 radio \$ 220

Cash or Finance Balance

\$

Quote Offered By:

Matt Falkner

- Standard Features -

- Custom Options -


Kubota

V Series

RTV-X1100CWL-H

*** EQUIPMENT IN STANDARD MACHINE ***

DIESEL ENGINE

Model Kubota D1105
3 Cyl. 68.5 cu in
+24.8 Gross Eng HP
75 Amp Alternator

TRANSMISSION

VHT-X
Variable Hydro Transmission
Forward Speeds:
Low 0 - 15 mph
High 0 - 25 mph
Reverse 0 - 17 mph
Limited-slip Front Differential
Rear differential lock

HYDRAULICS

Hydrostatic Power Steering
with manual tilt-feature
Hydraulic Cargo Dump
Hydraulic Oil Cooler

FLUID CAPACITY

Fuel Tank 7.9 gal
Cooling 8.3 qts
Engine Oil 4.3 qts
Transmission Oil 1.8 gal
Brake Fluid 0.4 qts

CARGO BOX

Width 57.7 in
Length 40.5 in
Depth 11.2 in
Load Capacity 1102 lbs
Vol. Capacity 15.2 cu ft

+ Manufacturer Estimate

KEY FEATURES

Factory Cab w/ A/C, Heater,
Defroster
Fully opening roll-down door
windows
Digital Multi-meter
Speedometer
Pre-wired w/ speakers/antenna for
stereo
Front Independent Adjustable
Suspension
Rear Independent Adjustable
Suspension
Brakes - Front/Rear Wet Disc
Rear Brake Lights / Front
Headlights
2" Hitch Receiver, Front and Rear
Deluxe 60/40 split bench seats
with driver's side seat adjustment
Underseat Storage Compartments
Deluxe Front Guard
(radiator guard, bumper, and lens
guard)

SAFETY EQUIPMENT

SAE J2194 & OSHA 1928 ROPS
Horn
Dash-mounted Parking Brake
Spark Arrestor Muffler
Retractable 2-point Seat Belts

DIMENSIONS

Width 63.2 in
Height 79.5 in
Length 120.3 in
Wheelbase 80.5 in
Tow Capacity 1300 lbs
Ground Clearance 10.4 in
Suspension Travel 8 in
Turning Radius 13.1 ft

Factory Spray-on Bedliner
"L" Models Only

Bright Alloy Wheels (Silver-
painted)
Silver-painted with machined
surface
"S" Models only

TIRES AND WHEELS

Heavy Duty Worksite 25 x 10 - 12, 6 ply

RTV-X1100CWL-H Base Price: \$21,549.00

Suggested List Price w/ Options: \$21,549.00

Sale
\$20,099⁹⁹

Gov. 18,300⁰⁰
+
Non Profit

Q U O T A T I O N

PAGE 1

BILL'S POWER CENTER, INC.
13885 West Capitol Drive
Brookfield, WI 53005-2408 USA
Phone #: (262)781-6400

PHONE #: (414)677-1710
CELL #:
ALT #:
P O #:
TERMS: **Cash**
SALES TYPE: **Quote**

DATE: **9/17/2019**
ORDER #: **1297512**
CUSTOMER #: **28150**
CP: **BIII R**
LOCATION: **1**
STATUS: **Active**

BILL TO 28150

Village Of Jackson
P O Box 147
Jackson, WI 53037

SHIP TO

Village Of Jackson
P O Box 147
Jackson, WI 53037

MFR	PRODUCT NUMBER	DESCRIPTION	QTY	PRICE	NET	TOTAL
KUB	RTVX1100CWL-H	KUBOTA UTV	1	\$21,549.00	\$21,549.00	\$21,549.00
****	DISCOUNT	Discount	1	\$ 00	-\$3,249.00	(\$3,249.00)

No Returns on Equipment, Special Orders, or Electrical Items.
20% Restocking Fee, on all parts.
Hours: Mon 8am -8pm, Tues, Wed,Thurs, Fri 8am-6pm, Sat 8am -3pm
Thank You For Your Business

Prices reflected on this quote are valid for 30 days.

SUBTOTAL:	\$18,300.00
TAX:	\$0.00
ORDER TOTAL:	<u>\$18,300.00</u>

Authorized By: _____

Public Works Report

February 25, 2020

Treatment Plant - Designed Capacity – 1.67 million gallons per day
Peak Flow Capacity – 6.0 million gallons per day

Year 2018

January	Avg. Flow 893,258 g.p.d.	Min. Flow 693,000 g.p.d.	Max. 1.541 MGD
February	Avg. Flow 1.072 MGD	Min. Flow 651,000 g.p.d.	Max. 2.476 MGD
March	Avg. Flow 1.011 MGD	Min. Flow 702,000 g.p.d.	Max. 1.365 MGD
April	Avg. Flow		
May	Avg. Flow 1.577 MGD	Min. Flow 982,000 g.p.d.	Max. 2.807 MGD
June	Avg. Flow 1.053 MGD	Min. Flow 703,000 g.p.d.	Max. 1.422 MGD
July	Avg. Flow 942,871 g.p.d.	Min. Flow 699,000 g.p.d.	Max. 1.228 MGD
August	Avg. Flow 1.342 MGD	Min. Flow 700,000 g.p.d.	Max. 3.93 MGD
September	Avg. Flow 1.608 MGD	Min. Flow 1.07 MGD	Max. 3.47 MGD
October	Avg. Flow 1.540 MGD	Min. Flow 960,000 g.p.d.	Max. 2.67 MGD
November	Avg. Flow 1.268 MGD	Min. Flow 940,000 g.p.d.	Max. 2.12 MGD
December	Avg. Flow 1.218 MGD	Min. Flow 880,000 g.p.d.	Max. 1.82 MGD

Year 2019

January	Avg. Flow 1.270 MGD	Min. Flow 900,000 g.p.d.	Max. 2.660 MGD
February	Avg. Flow 1.229 MGD	Min. Flow 850,000 g.p.d.	Max. 1.980 MGD
March	Avg. Flow 1.379 MGD	Min. Flow 910,000 g.p.d.	Max. 2.790 MGD
April	Avg. Flow 1.483 MGD	Min. Flow 1.020 MGD	Max. 2.660 MGD
May	Avg. Flow 1.542 MGD	Min. Flow 1.320 MGD	Max. 1.960 MGD
June	Avg. Flow 2.144 MGD	Min. Flow 1.300 MGD	Max. 2.700 MGD
July	Avg. Flow 1.251 MGD	Min. Flow 970,000 g.p.d.	Max. 1.850 MGD
August	Avg. Flow 1.098 MGD	Min. Flow 830,000 g.p.d.	Max. 1.470 MGD
September	Avg. Flow 1.253 MGD	Min. Flow 800,000 g.p.d.	Max. 2.050 MGD
October	Avg. Flow 1.699 MGD	Min. Flow 1.060 MGD	Max. 4.010 MGD
November	Avg. Flow 1.499 MGD	Min. Flow 1.14 MGD	Max. 2.26 MGD
December	Avg. Flow 1.372 MGD	Min. Flow 910,000 g.p.d.	Max. 2.14 MGD

Year 2020

January	Avg. Flow 1.280 MGD	Min. Flow 1.055 MGD	Max. 1.720 MGD
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Years Summary of Water Consumption

2006 Total Pumpage 207,719,000 gallons	2007 Total Pumpage 217,224,000 gallons
2008 Total Pumpage 229,613,000 gallons	2009 Total Pumpage 231,160,000 gallons
2010 Total Pumpage 239,326,000 gallons	2011 Total Pumpage 240,268,000 gallons
2012 Total Pumpage 253,492,000 gallons	2013 Total Pumpage 228,371,000 gallons
2014 Total Pumpage 230,973,000 gallons	2015 Total Pumpage 222,621,000 gallons
2016 Total Pumpage 254,531,000 gallons	2017 Total Pumpage 251,387,000 gallons
2018 Total Pumpage 241,322,000 gallons	2019 Total Pumpage 253,427,000 gallons

Year 2018

Jan.	Avg.	674,710 g.p.d.	Highest Day 831,000 gals.	Total	20,916,000 gallons
Feb.	Avg.	660,820 g.p.d.	Highest Day 762,000 gals.	Total	18,503,000 gallons
March	Avg.	646,810 g.p.d.	Highest Day 784,000 gals.	Total	20,051,000 gallons
April	Avg.	656,300 g.p.d.	Highest Day 1.122 MGD	Total	19,689,000 gallons
May	Avg.	682,065 g.p.d.	Highest Day 840,000 gals.	Total	21,144,000 gallons
June	Avg.	694,600 g.p.d.	Highest Day 891,000 gals.	Total	20,838,000 gallons
July	Avg.	759,160 g.p.d.	Highest Day 1.172 MGD	Total	23,534,000 gallons
August	Avg.	728,450 g.p.d.	Highest Day 963,000 gals.	Total	22,582,000 gallons
Sept	Avg.	605,200 g.p.d.	Highest Day 842,000 gals.	Total	18,156,000 gallons
Oct	Avg.	619,320 g.p.d.	Highest Day 896,000 gals.	Total	19,199,000 gallons
Nov	Avg.	596,000 g.p.d.	Highest Day 907,000 gals.	Total	17,880,000 gallons
Dec	Avg.	607,419 g.p.d.	Highest Day 785,000 gals.	Total	18,830,000 gallons

Year 2019

Jan.	Avg.	638,230 g.p.d.	Highest Day 791,000 gals.	Total	19,785,000 gallons
Feb.	Avg.	605,820 g.p.d.	Highest Day 758,000 gals.	Total	16,963,000 gallons
March	Avg.	616,230 g.p.d.	Highest Day 946,000 gals.	Total	19,103,000 gallons
April	Avg.	697,800 g.p.d.	Highest Day 1.112 MGD	Total	20,934,000 gallons
May	Avg.	707,810 g.p.d.	Highest Day 889,000 gals.	Total	21,942,000 gallons
June	Avg.	766,200 g.p.d.	Highest Day 969,000 gals.	Total	22,986,000 gallons
July	Avg.	843,710 g.p.d.	Highest Day 1.174 MGD	Total	26,155,000 gallons
August	Avg.	747,230 g.p.d.	Highest Day 1.061 MGD	Total	23,164,000 gallons
Sept	Avg.	689,300 g.p.d.	Highest Day 830,000 gals.	Total	20,679,790 gallons
Oct.	Avg.	696,520 g.p.d.	Highest Day 1.116 MGD	Total	21,592,000 gallons
Nov.	Avg.	643,970 g.p.d.	Highest Day 830,000 gals.	Total	19,319,000 gallons
Dec.	Avg.	671,100 g.p.d.	Highest Day 875,000 gals.	Total	20,805,000 gallons

Year 2020

Jan.	Avg.	662,650 g.p.d.	Highest Day 769,000 gals.	Total	20,542,000 gallons
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Pump Capacity - Well #1- 400 g.p.m. Well #3 -900 g.p.m. Well #4 - 1200 g.p.m. Well #5 – 1,100 g.p.m. Well #6 – 800 g.p.m.

WWTP – Holding & Septage Receiving

2005	\$ 87,562.01	2006	\$101,115.11	2007	\$152,201.07	2008	\$210,441.47
2009	\$183,815.34	2010	\$197,653.66	2011	\$220,576.28	2012	\$236,224.70
2013	\$235,336.46	2014	\$203,938.32	2015	\$210,644.47	2016	\$220,473.17
2017	\$232,358.23	2018	\$245,767.74	2019	\$219,822.80		

2018	Holdings (gals)	Grease (gals)	G Decant (gals)	Septage (gals)	S Decant (gals)	Total Billings
Jan	1,627,400			2,250	70,400	\$14,055.51
Feb	1,632,750			1,750	69,850	\$14,061.88
March	1,589,150			6,450	197,600	\$17,943.45
April	1,451,750			16,750	234,400	\$18,227.75
May	1,849,700			21,050	354,100	\$24,597.35
June	1,636,850			38,900	351,450	\$23,631.55
July	1,662,650			37,150	230,750	\$20,741.70
August	1,861,850			58,650	315,400	\$25,419.05
September	1,510,000			37,000	249,500	\$19,982.50
October	1,676,000			38,000	462,900	\$26,690.50
November	1,433,250			29,500	397,100	\$22,721.00
December	1,481,500			13,550	209,350	\$17,695.50

2019	Holdings (gals)	Grease (gals)	G Decant (gals)	Septage (gals)	S Decant (gals)	Total Billings
Jan	1,230,000			2,000	77,700	\$11,872.50
Feb	1,432,250			1,000	70,100	\$13,255.50
March	1,614,450			11,750	161,800	\$17,489.35
April	1,485,950			48,700	335,350	\$22,462.85
May	1,589,200			27,600	349,400	\$22,690.60
June	1,338,900			36,950	243,400	\$18,458.95
July	1,504,450			17,000	302,900	\$20,373.10
August	1,599,950			27,800	293,200	\$21,380.60
September	1,405,900			14,000	217,450	\$17,313.45
October	1,517,950			19,500	335,900	\$21,418.60
November	1,265,950			11,500	256,950	\$17,071.10
December	1,647,650			6,500	102,500	\$16,036.20

2020	Holdings (gals)	Grease (gals)	G Decant (gals)	Septage (gals)	S Decant (gals)	Total Billings
Jan	1,426,900				71,000	\$11,872.50

Rosewood Drive/TIF Expansion Project

We-Energies has finished the conversion of the electric from overhead to underground. The remaining is the removing of the poles which is scheduled for the last week of January 2020. No change

CTH P and STH 60 Intersection Project and old Park-n-Lot Property

Discussion continues with Washington County and WisDOT on ownership.

Jackson Park Alley Project

Landscaping is one of the last items remaining with Jackson Park Alley and the Sherman Road Drainage Project. The Jackson Park Parking Lot Project will start once the weather allows, and the asphalt plants are re-opened.

Maplewood Farms

Maplewood Farms Subdivision Phase 1 has very wet sub-soil, and the grading cannot be completed until dewatering is done. A meeting with the Developer is occurring on Monday, February 24th.

Morning Meadows Subdivision

The Developer is working to have construction started in 2020.

Laurel Springs Addition No. 1

Laurel Springs Subdivision has been shut down for construction until Spring of 2020.

Trilogy Consulting - Study / Impact Fees

We are working on collection the necessary items for the study. The Park and Open Space Plan, and the bids from the new Police and Fire Building portion are items necessary for the impact fee study.

Safety Building/Village Hall Project

February 2020 bidding and bid opening on March 5th. The road portion will be bid out in March 2020 with a Board of Public Works approval on March 31st meeting. We have received the Chapter 30 and the NOI (Notice of Intent) from the DNR. We are working on WisDOT approval.

Chateau Dr/Hickory Lane Reconstruction Project

Creating a punch list along with landscaping touchups to be done this year to complete the project.

Yard Waste Site

The item is setting the rules and installing the card reading program.

Respectfully submitted, Brian W. Kober, P.E.